





McGILL UNIVERSITY  
ANNUAL CALENDAR  
FACULTY OF MEDICINE.



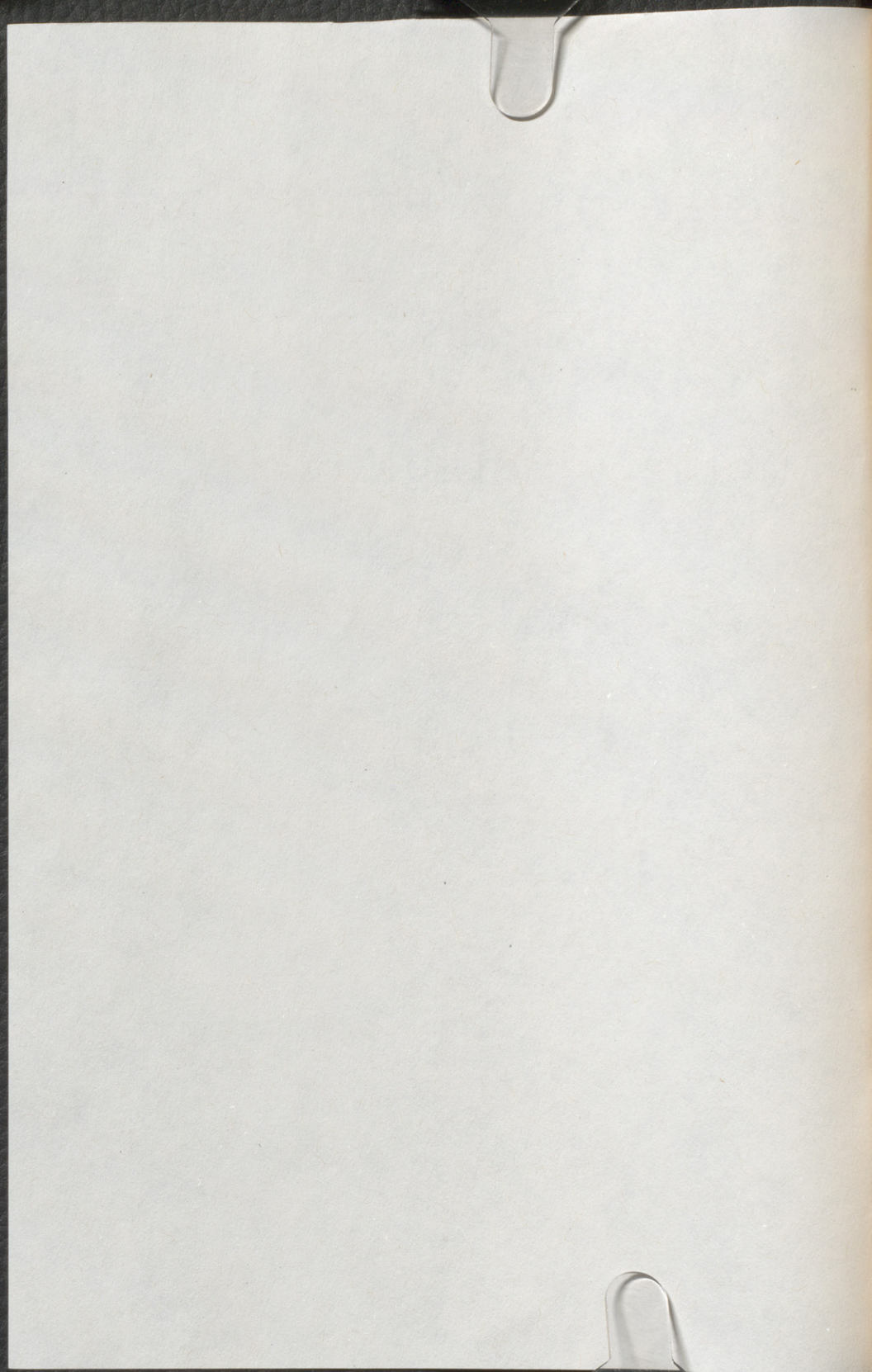
57<sup>TH</sup> SESSION 1889-90.

MONTREAL:  
PRINTED FOR THE UNIVERSITY BY THE GAZETTE PRINTING CO.

1889.

1659598







# TO CANADIAN PHYSICIANS.

WE have inaugurated a series of Reprints on certain medicated subjects in which

## **ANTISEPTIC TREATMENT**

is advocated, believing they may prove of reciprocal value to physicians and ourselves. The following will be forwarded, postpaid, free of all cost to physicians who have not already received them:

### **THE DIAGNOSIS AND TREATMENT OF NASAL CATARRH:**

Illustrated by Forty Wood Cuts of Instruments and Diseased Conditions.

By Prof. Geo. M. Lefferts, A.M., M. D., New York.

### **SUMMER DIARRHŒA IN CHILDREN:**

By I. N. Love, M.D., St. Louis.

### **OTITIS MEDIA PURULENTA: (A Clinical Lecture.)**

By Prof. Dudley S. Reynolds, M.D. Louisville.

### **ATROPHIC NASAL CATARRH: (A Clinical Lecture.)**

By Carl Seiler, M.D., Philadelphia.

### **TREATMENT OF DIPHTHERIA:**

By Bedford Brown, M.D., Alexandria. Va.

### **THE TREATMENT OF WHOOPING COUGH:**

By J. M. Keating, M.D., Philadelphia.

### **THE PRESENT STATUS OF ANTISEPTIC SURGERY:**

By Prof. Wm. Tod Helmuth, A. M., M.D., New York.

### **PYOGENIC MEMBRANES—POST-RECTAL ABSCESS:**

By Prof. W. W. Dawson, M.D., Cincinnati. (President American Medical Ass'n.)

### **FISTULA IN ANO:**

By Prof. J. M. Mathews, M.D., Louisville.

### **TREATMENT OF OVARIAN CYSTS BY INCISION AND PERMANENT DRAINAGE:**

By Geo. F. French, A. M., M.D., Minneapolis, Minn.

### **THE BEST METHODS OF TREATING OPERATIVE WOUNDS:**

By Henry O. Marcy, A. M., M.D., Ex-President American Academy of Medicine, Boston.

### **LISTERINE IN SPECIAL PRACTICE:**

By Prof. G. Sterling Ryerson, M.D., Toronto.

**DIETETIC NOTES.**—Suggesting the articles of food to be allowed or prohibited in GOUT, DIABETES, CALCULUS, and other disorders in which Lambert's Lithiated Hydrangea has proven of special service.

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<b>LISTERINE,</b>	<b>LITHIATED HYDRANGEA</b>
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<b>ANTI-LITHIC,</b>	

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HEAD OFFICE IN CANADA :

**STANDARD BUILDINGS, MONTREAL.**

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Subsisting Assurances, . . . .	\$101,250,000
Invested Funds, over . . . .	34,000,000
Deposit with Government at Ottawa, for benefit of Canadian Policy-Holders, . . . .	1,180,000
Annual Revenue, over . . . .	4,525,000

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25 years of age.**

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**Thirteen Months for Revival of Policies of Five  
Years' Duration, without Medical Certificate.**

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*Claims settled in Montreal, giving this Company the  
advantages of a Local Office, with the benefits of an ex-  
tended business and connection otherwise.*

**W. M. RAMSAY,**

Manager.



E. M. RENOUF,  
**MEDICAL BOOKSELLER**  
AND  
STATIONER.

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Annual Income, over	-	-	-	-	\$	1,500,000
Canadian Investments, over	-	-	-	-	\$	600,000
Claims and Bonuses paid, over	-	-	-	-	\$	1,200,000

---

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(President Bank of Montreal,) Chairman.

Messrs. ROBERT BENNY and JOHN OGILVY.

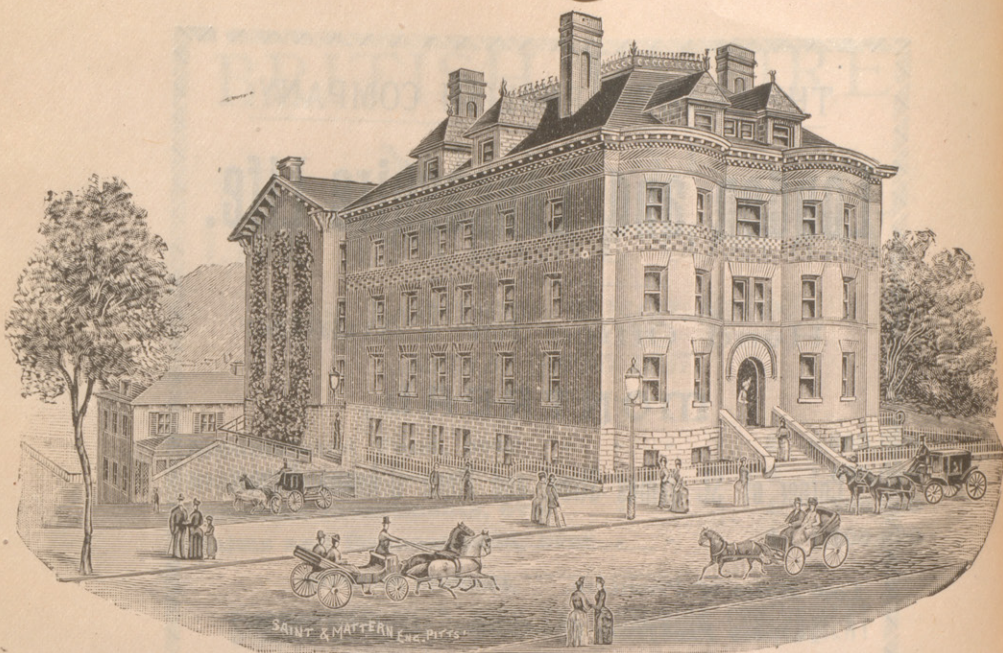
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M. M. J. FLANAGAN, Assistant Secretary.

**B. HAL. BROWN,**

MANAGER FOR CANADA.





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The building is large and built of stone, brick and slate, for the purpose for which it is used. It is provided with fire escape, electric bells and telephone. The rooms are commodious, well lighted, and ventilated and heated. The fuel used in open grates, is natural gas.

The house is provided with a private parlor and reading room for patients. The dining room is large and furnished with small tables securing privacy at meals for those who do not care to have meals served in their own rooms.

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A competent resident Physician resides in the institution, and none but trained nurses are employed. Churches and Parks are convenient, and the neighborhood is the best the city affords.

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The rapid progress made by this Company may be seen from the following Statement :—

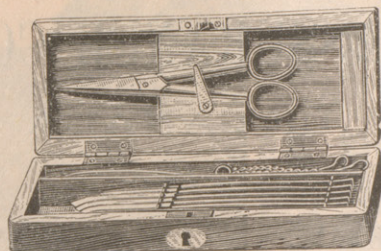
	INCOME.	ASSETS.	LIFE ASSURANCES IN FORCE.
1872....	\$ 48,210.93....	\$ 546,491.95....	\$1,064,350.00
1876....	102,822.14....	715,644.64....	2,214,093.00
1880....	141,402.81....	911,132.98....	3,881,479.14
1884....	278,379.65....	1,274,397.24....	6,844,404.04
1888 ...	525,273.58....	1,974,316.21....	11,931,316.21

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*References, by kind permission, THE MCGILL MEDICAL FACULTY.*

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## J. H. CHAPMAN,

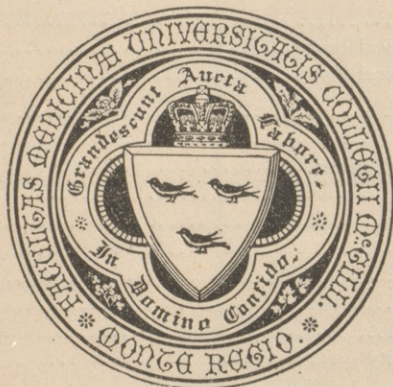
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McGILL UNIVERSITY

ANNUAL CALENDAR

FACULTY OF MEDICINE.



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57<sup>TH</sup> SESSION 1889-90.

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MONTREAL:

PRINTED FOR THE UNIVERSITY BY THE GAZETTE PRINTING CO.

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1889.



## TABLE OF CONTENTS.

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	PAGE.
Governors .....	7
Faculty .....	12
Benefactors .....	13
Time Table .....	15
Plan of Buildings .....	17
Laboratories .....	20
MATRICULATION :	
(a) University .....	23
(b) Quebec Medical Board.....	25
(c) Ontario Medical Board.....	26
Enregistration.....	27
Courses of Lectures .....	27
Qualifications for the Degrees .....	37
Examinations .....	39
Medals and Prizes.....	40
Fees.....	41
Text Books.....	43
Museum .....	44
Library.....	46
McGill Medical Society .....	46
Cost of Living .....	46
HOSPITALS :	
Montreal General.....	47
Montreal Dispensary.....	49
The Montreal Maternity.....	49
Students' Appointments .....	49
Rules for Students .....	50
Past Session.....	51
Medals, Prizes and Honors .....	55
Summer Session .....	56
List of Students in Medical Faculty .....	60
List of Prizemen and Medallists since 1854 .....	62
How to become a Registered Practitioner .....	66
List of Graduates in Medicine, with their Addresses.....	67
Examination Papers .....	76



# CALENDAR, 1889-90.

## JULY, 1889.

1 Monday  
2 Tuesday  
3 Wednesday  
4 Thursday  
5 Friday  
6 Saturday  
**7 SUNDAY**  
8 Monday  
9 Tuesday  
10 Wednesday  
11 Thursday  
12 Friday  
13 Saturday  
**14 SUNDAY**  
15 Monday  
16 Tuesday  
17 Wednesday  
18 Thursday  
19 Friday  
20 Saturday  
**21 SUNDAY**  
22 Monday  
23 Tuesday  
24 Wednesday  
25 Thursday  
26 Friday  
27 Saturday  
**28 SUNDAY**  
29 Monday  
30 Tuesday  
31 Wednesday

Summer Session ends.

Dr. N. Robertson died, 1884.

Malpighi died, 1694.

## SEPTEMBER, 1889.

**1 SUNDAY**  
2 Monday  
3 Tuesday  
4 Wednesday  
5 Thursday  
6 Friday  
7 Saturday  
**8 SUNDAY**  
9 Monday  
10 Tuesday  
11 Wednesday  
12 Thursday  
13 Friday  
14 Saturday  
**15 SUNDAY**  
16 Monday  
17 Tuesday  
18 Wednesday  
19 Thursday  
20 Friday  
21 Saturday  
**22 SUNDAY**  
23 Monday  
24 Tuesday  
25 Wednesday  
26 Thursday  
27 Friday  
28 Saturday  
**29 SUNDAY**  
30 Monday

Galvani born, 1737.  
Candidates for matriculation of Provincial Medical Board to send fee (\$10) to Dr. Bel-leau, Quebec. Candidates for their licence to send fee (\$20) and credentials.

Matriculation examinations of C. P. & S. of Quebec (Provincial Board) at Quebec.

Register opens.

Matriculation Exam. begins, High Sc., Peel street.

## AUGUST, 1889.

1 Thursday  
2 Friday  
3 Saturday  
**4 SUNDAY**  
5 Monday  
6 Tuesday  
7 Wednesday  
8 Thursday  
9 Friday  
10 Saturday  
**11 SUNDAY**  
12 Monday  
13 Tuesday  
14 Wednesday  
15 Thursday  
16 Friday  
17 Saturday  
**18 SUNDAY**  
19 Monday  
20 Tuesday  
21 Wednesday  
22 Thursday  
23 Friday  
24 Saturday  
**25 SUNDAY**  
26 Monday  
27 Tuesday  
28 Wednesday  
29 Thursday  
30 Friday  
31 Saturday

Duverney born, 1648.

Lavoisier born, 1743.

Sir A. Cooper born, 1768

Hey born, 1736.

Goethe born, 1749.

## OCTOBER, 1889.

1 Tuesday  
2 Wednesday  
3 Thursday  
4 Friday  
5 Saturday  
**6 SUNDAY**  
7 Monday  
8 Tuesday  
9 Wednesday  
10 Thursday  
11 Friday  
12 Saturday  
**13 SUNDAY**  
14 Monday  
15 Tuesday  
16 Wednesday  
17 Thursday  
18 Friday  
19 Saturday  
**20 SUNDAY**  
21 Monday  
22 Tuesday  
23 Wednesday  
24 Thursday  
25 Friday  
26 Saturday  
**27 SUNDAY**  
28 Monday  
29 Tuesday  
30 Wednesday  
31 Thursday

Session opens.

Jas. McGill born, 1744. Founder's day. McGill Medical Society semi-annual meeting.

Fallopius died, 1562.

Vesalius died, 1564.

Reamur died, 1757.

Baillie born, 1761.

Lectures began in Montreal Medical Institution in 1824. All Hallows Eve.



# NOVEMBER, 1889.

1 Friday	All Saints' Day.
2 Saturday	
<b>3 SUNDAY</b>	
4 Monday	
5 Tuesday	
6 Wednesday	
7 Thursday	
8 Friday	First lectures delivered in Med. Faculty, 1829.
9 Saturday	Bichat born, 1771.
<b>10 SUNDAY</b>	
11 Monday	
12 Tuesday	
13 Wednesday	
14 Thursday	
15 Friday	
16 Saturday	
<b>17 SUNDAY</b>	
18 Monday	
19 Tuesday	
20 Wednesday	Radcliffe born, 1650.
21 Thursday	
22 Friday	
23 Saturday	
<b>24 SUNDAY</b>	
25 Monday	
26 Tuesday	
27 Wednesday	
28 Thursday	
29 Friday	
30 Saturday	

# JANUARY, 1890.

1 Wednesday	
2 Thursday	
3 Friday	
4 Saturday	
<b>5 SUNDAY</b>	
6 Monday	
7 Tuesday	Lectures resumed in Medical Faculty. Linacre born, 1460.
8 Wednesday	
9 Thursday	
10 Friday	
11 Saturday	
<b>12 SUNDAY</b>	
13 Monday	
14 Tuesday	Lower born, 1653.
15 Wednesday	
16 Thursday	
17 Friday	
18 Saturday	
<b>19 SUNDAY</b>	
20 Monday	
21 Tuesday	Dr. Wm. Caldwell died, 1833.
22 Wednesday	
23 Thursday	
24 Friday	
25 Saturday	
<b>26 SUNDAY</b>	
27 Monday	
28 Tuesday	Charter granted to Montreal General Hospital, 1823.
29 Wednesday	
30 Thursday	
31 Friday	

# DECEMBER, 1889.

<b>1 SUNDAY</b>	
2 Monday	
3 Tuesday	
4 Wednesday	
5 Thursday	
6 Friday	
7 Saturday	Christmas Exam. in Botany.
<b>8 SUNDAY</b>	
9 Monday	
10 Tuesday	
11 Wednesday	
12 Thursday	
13 Friday	Class Examinations.
14 Saturday	
<b>15 SUNDAY</b>	
16 Monday	James McGill died, 1813.
17 Tuesday	
18 Wednesday	
19 Thursday	
20 Friday	Lectures close for the term.
21 Saturday	Pott died, 1788.
<b>22 SUNDAY</b>	
23 Monday	
24 Tuesday	Peyer born, 1653.
25 Wednesday	Christmas.
26 Thursday	
27 Friday	
28 Saturday	
<b>29 SUNDAY</b>	
30 Monday	Boerhaave born, 1688.
31 Tuesday	

# FEBRUARY, 1890.

1 Saturday	
<b>2 SUNDAY</b>	
3 Monday	Willis born, 1622.
4 Tuesday	
5 Wednesday	
6 Thursday	
7 Friday	Prof. Sutherland died, 1875.
8 Saturday	
<b>9 SUNDAY</b>	
10 Monday	
11 Tuesday	
12 Wednesday	John Hunter born, 1728.
13 Thursday	
14 Friday	
15 Saturday	
<b>16 SUNDAY</b>	
17 Monday	Laennec born, 1781.
18 Tuesday	Assessors of C.P. & S. of the Province to be notified of examinations.
19 Wednesday	
20 Thursday	
21 Friday	Abernethy born, 1697.
22 Saturday	Albinus born, 1697.
<b>23 SUNDAY</b>	Morgagni born, 1682.
24 Monday	
25 Tuesday	
26 Wednesday	
27 Thursday	
28 Friday	



# MARCH, 1890.

# MAY, 1890.

1 Saturday

## 2 SUNDAY

3 Monday  
4 Tuesday  
5 Wednesday  
6 Thursday  
7 Friday  
8 Saturday

## 9 SUNDAY

10 Monday  
11 Tuesday  
12 Wednesday  
13 Thursday  
14 Friday  
15 Saturday

Clinical Examinations.

## 16 SUNDAY

17 Monday  
18 Tuesday  
19 Wednesday  
20 Thursday  
21 Friday  
22 Saturday

Lectures close.

} Primary and Final  
Written Examinations.

## 23 SUNDAY

24 Monday  
25 Tuesday  
26 Wednesday  
27 Thursday  
28 Friday  
29 Saturday

} Primary and Final  
Oral Examinations.

Prof. Howard died, 1889.

## 30 SUNDAY

31 Monday

1 Thursday  
2 Friday  
3 Saturday

## 4 SUNDAY

5 Monday  
6 Tuesday  
7 Wednesday  
8 Thursday  
9 Friday  
10 Saturday

Matriculation Examination of  
Quebec Medical Board at  
Montreal.

## 11 SUNDAY

12 Monday  
13 Tuesday  
14 Wednesday  
15 Thursday  
16 Friday  
17 Saturday

Semi-annual Meeting of Que-  
bec Med. Board at Montreal.  
Ed. Jenner born, 1749.  
Heberden born, 1710.

## 18 SUNDAY

19 Monday  
20 Tuesday  
21 Wednesday  
22 Thursday  
23 Friday  
24 Saturday

Professor Scott died, 1883.

## 25 SUNDAY

26 Monday  
27 Tuesday  
28 Wednesday  
29 Thursday  
30 Friday  
31 Saturday

Prof. G. W. Campbell died  
1882.

# APRIL, 1890.

# JUNE, 1890.

1 Tuesday  
2 Wednesday  
3 Thursday  
4 Friday  
5 Saturday

## 6 SUNDAY

7 Monday  
8 Tuesday  
9 Wednesday  
10 Thursday  
11 Friday  
12 Saturday

Convocation for Medical  
Degrees.

## 13 SUNDAY

14 Monday  
15 Tuesday  
16 Wednesday  
17 Thursday  
18 Friday  
19 Saturday

Summer Session begins.

Sydenham born, 1624.

Annual Meet'g McGill Medi-  
cal Society.

Petit born, 1760.

## 20 SUNDAY

21 Monday  
22 Tuesday  
23 Wednesday  
24 Thursday  
25 Friday  
26 Saturday

Orfila born, 1787.

## 27 SUNDAY

28 Monday  
29 Tuesday  
30 Wednesday

Candidates for Matriculation  
of Provincial Board to send  
fee, \$10, to Dr. F. W. Camp-  
bell, Montreal. Candidates  
for License to send fee, \$20,  
and credentials.

## 1 SUNDAY

2 Monday  
3 Tuesday  
4 Wednesday  
5 Thursday  
6 Friday  
7 Saturday

Corner-stone of Montreal Gen-  
eral Hospital laid, 1821.

Eustachius died, 1574.

## 8 SUNDAY

9 Monday  
10 Tuesday  
11 Wednesday  
12 Thursday  
13 Friday  
14 Saturday

## 15 SUNDAY

16 Monday  
17 Tuesday  
18 Wednesday  
19 Thursday  
20 Friday  
21 Saturday

Rolando born, 1773.

## 22 SUNDAY

23 Monday  
24 Tuesday  
25 Wednesday  
26 Thursday  
27 Friday  
28 Saturday

Montreal Medical Institution  
became Med. Faculty, 1829.  
Summer Session closes.

## 29 SUNDAY

30 Monday



# Library.

The Librarian of the Faculty of Medicine has pleasure in acknowledging the following donations to the Library during the year ending 30th April, 1889:—

From the University of Oxford:—

*S. J. Sharkey, M.D., F.R.C.P.*, on Spasm in Chronic Nerve Disease.  
*Champney's* Experimental Researches in Artificial Respiration in Still-born Children.

*Haig*.—Formation and Excretion of Uric Acid.

“ the University of Nebraska:—

Bulletin of the Agricultural Experiment Station of Nebraska. Vol. II.  
Swine Plague and its Causes.

“ the Montreal Medical Journal:—

Transactions of Academy of Medicine of Ireland. Vol. V.  
Transactions of the Association of American Physicians. Vol. III.  
Vol. IX.

Index Catalogue of Army Medical Museum Library, Washington.

“ the Summer Session Faculty:—

*Bryant's* Diseases of the Breast.

*Johnson's* Medical Lectures and Essays.

*Binet et Frère*.—Animal Magnetism.

*Gerster's* Antiseptic Surgery.

*Stimson's* Fractures and Dislocations. 2 Vols.

*Weir Mitchell's* Diseases of the Nervous System.

*Von Langenbeck's* Vorlesungen über Akiurgie.

*Canton's* Arcus Senilis. 2 Vols. Author's copy.

The Healing Art. 2 Vols.

*Crocker* on Diseases of the Skin.

*Ball* on the Rectum.

*Hutchinson's* Clinical Illustrations. 2 Vols., fol.

*Newman*.—Surgical Diseases of the Kidney.

*Jessett*.—Cancer of the Alimentary Tract.

*Holmes'* Principles of Surgery. Ed. 1889.

*Everitt*.—Doctors and Doctors.

*Stokes* on Fever.

“ Dr. William Osler, F.R.C.P.:—

Four valuable old works and reports an Vaccination.

Surgical Words of J. Jones, M.D.

“ Dr. George Fenwick:—

Excision of the Knee.

“ Dr. Girdwood:—

The *British Medical Register* for 1888.

“ Dr. Wilkins:—

Denman's Midwifery. Illustrated.

“ Dr. MacDonnell:—

Die Krankheiten der Arbeiten.

“ Dr. Shepherd:—

*Hyde* on Diseases of the Skin.

*Humphry's* Observations on Myology.

“ Dr. J. C. Cameron:—

Transactions of International Medical Congress, 9th session. 5 Vols.

The Epitome. 8 Vols.

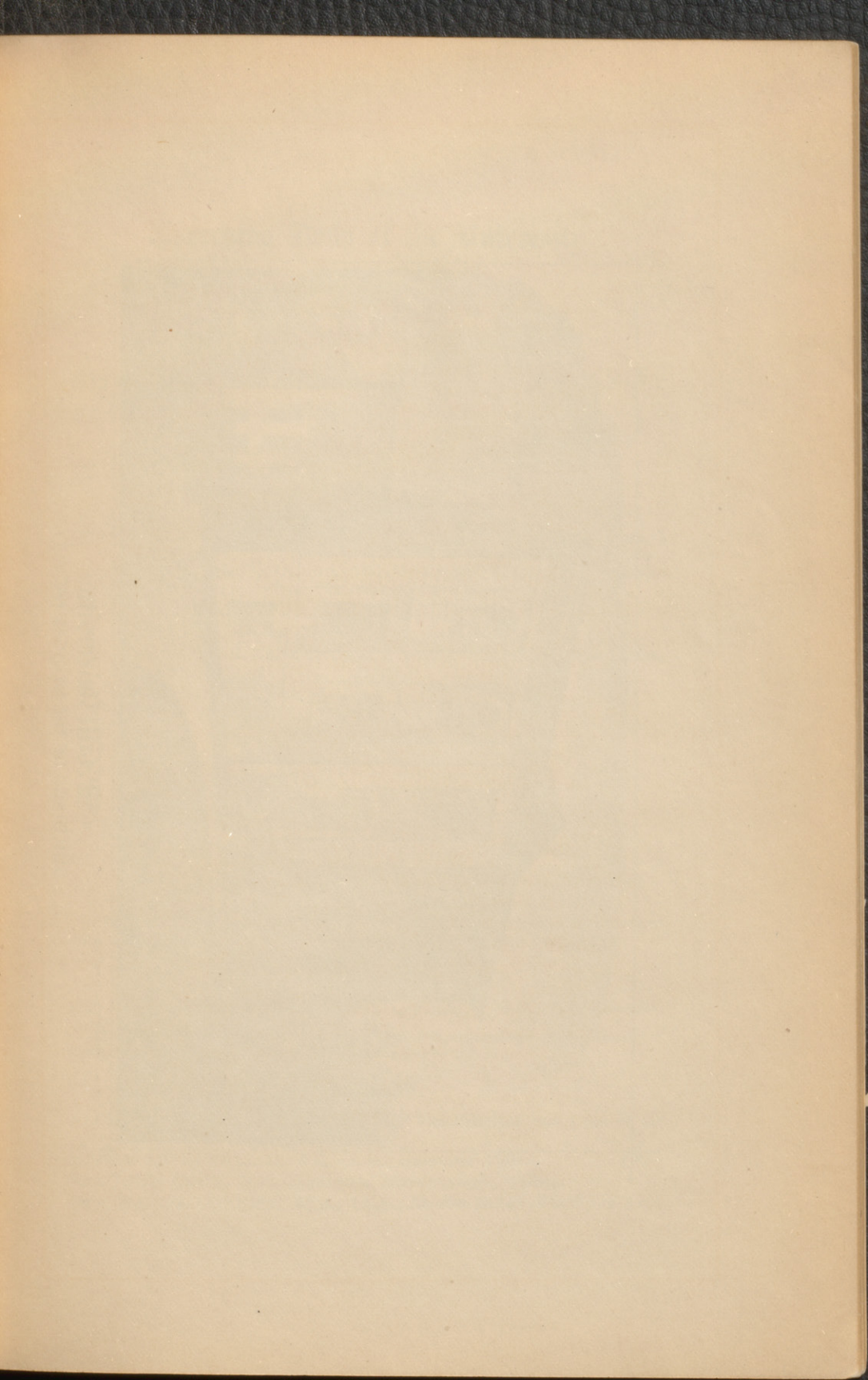
Fasciculi of Pathology; VI. N.S.S.

“ Dr. J. S. Booth:—

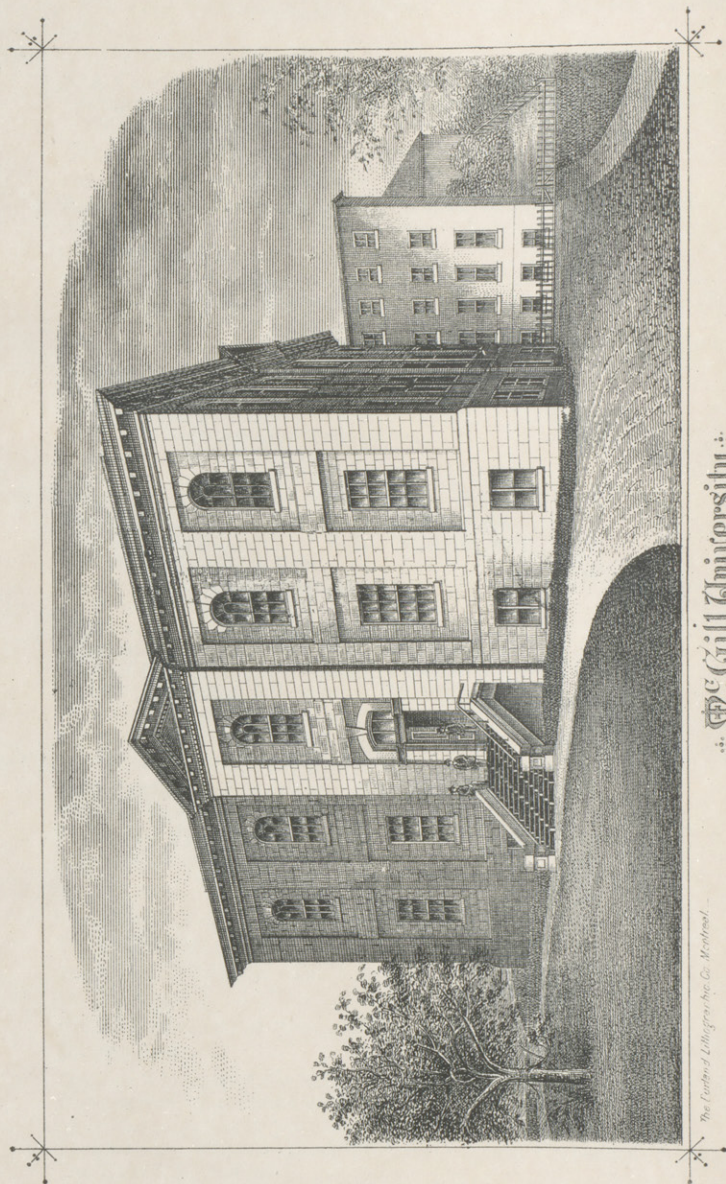
*Hutton* on the —.

*Morton* on Lactation.









The Engraving by Messrs. W. & A. G. Mc Gill.

Mc Gill University  
BUILDINGS OF THE MEDICAL FACULTY.



# Governing Body of the University.

---

## VISITOR:

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OF PRESTON, G.C.B., P.C.,  
GOVERNOR GENERAL OF CANADA, &C.

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PETER REDPATH, Esq.  
JOHN H. R. MOLSON, Esq.  
THE HON. SIR ALEXANDER T. GALT, G.C.M.G., LL.D. (Hon. Edin.)  
JOHN MOLSON, Esq.  
JOSEPH HICKSON, Esq.  
THE HON. JOHN J. C. ABBOTT, D.C.L., Q.C.  
WILLIAM C. McDONALD, Esq.  
HUGH McLENNAN, Esq.  
GEORGE HAGUE, Esq.  
EDWARD B. GREENSHIELDS, Esq., B.  
SAMUEL FINLEY, Esq.  
THE HON. LEVI RUGGLES CHURCH, M.D.  
ANDREW FREDERICK GAULT, Esq.

(The Board of Governors has, under the Royal Charter, the power to frame Statutes, to make Appointments, and to administer the Finances of the University.)

## PRINCIPAL:

SIR WILLIAM DAWSON, M.A., LL.D., F.R.S., C.M.G., *Vice-Chancellor.*

(The Principal has, under the Statutes, the general superintendence of all affairs of the College and University, under such regulations as may be in force.)

## FELLOWS:

ALEXANDER JOHNSON, M.A., LL.D., Vice-Principal and Dean of the Faculty of Arts.  
HENRY ASPINWALL HOWE, LL.D., Governors' Fellow.  
Rev. JOHN COOK, D.D., Principal of Morrin College, Quebec.  
Rev. GEORGE CORNISH, M.A., LL.D., Elective Fellow, Faculty of Arts.



- REV. D. H. MACVICAR, D.D., LL.D., Principal of the Presbyterian College, Montreal.
- JOHN REDPATH DOUGALL, M.A., Representative Fellow in Arts.
- REV. J. CLARK MURRAY, LL.D., Elective Fellow, Faculty of Arts.
- HENRY T. BOVEY, M.A., C.E., Dean of the Faculty of Applied Science.
- BERNARD J. HARRINGTON, B.A., Ph.D., F.G.S., Elective Fellow, Fac. App. Science.
- REV. E. I. REXFORD, B.A., Governors' Fellow.
- REV. JOHN JENKINS, D.D., LL.D., Governors' Fellow.
- REV. CANON HENDERSON, M.A., D.D., (Dublin), Principal of the Montreal Diocesan Theological College.
- REV. GEORGE DOUGLASS, LL.D., Principal of the Montreal Wesleyan Theological College.
- J. S. ARCHIBALD, M.A., D.C.L., Elective Fellow, Faculty of Law.
- GEORGE ROSS, M.A., M.D., Elective Fellow, Faculty of Medicine.
- JOHN S. HALL, B.A., B.C.L., Representative Fellow in Law.
- REV. R. W. NORMAN, M.A., D.C.L., Governors' Fellow.
- S. P. ROBINS, M.A., LL.D., Principal of McGill Normal School.
- FREDERICK W. KELLY, B.A., Ph.D., (Cornell), Representative Fellow in Arts.
- REV. JAMES BARCLAY, M.A., (Glasgow), Governors' Fellow.
- ROBERT CRAIK, M.D., Dean of Faculty of Medicine.
- A. W. BANNISTER, M.A., (Victoria), Principal of St. Francis College.
- THOMAS A. ROGER, M.D., Representative Fellow in Medicine.
- JEFFREY H. BURLAND, B.A.Sc., Representative Fellow in Applied Science.
- MATTHEW HUTCHINSON, B.C.L., Representative Fellow in Law.
- WILFRID T. SKAIFE, B.A.Sc., Representative Fellow in Applied Science.
- REV. WILLIAM M. BARBOUR, D.D., (Yale, U.S.), Principal of the Congregational College of British North America.
- N. W. TRENHOLME, M.A., D.C.L., Dean of the Faculty of Law.
- WESLEY MILLS, M.A., M.D., Representative Fellow in Medicine.

(The Governors, Principal and Fellows constitute, under the Charter, the Corporation of the University, which has the power, under the Statutes, to frame regulations touching Courses of Study, Matriculation, Graduation and other Educational matters; and to grant Degrees.)

#### OFFICE OF SECRETARY, REGISTRAR AND BURSAR :

*[And Secretary of the Royal Institution.]*

- JAMES W. BRACKENRIDGE, B.C.L., Acting Secretary ; Office, East Wing McGill College ; Residence, 117 Shuter Street.
- SAMUEL R. BURRELL, Clerk, 171 Jacques Cartier Street.
- Office hours, 9 to 5.



# General Statement.

## SESSION OF 1889-90.

The Fifty-seventh Session of the University, being the Thirty-sixth under the amended Charter, will commence in the Autumn of 1889.

By Virtue of the Royal Charter, granted in 1821, and amended in 1852, the Governors, Principal and Fellows of McGill College constitute the Corporation of the University; and, under the Statutes framed by the Board of Governors, with the approval of the Visitor, have the power of granting Degrees in all the Arts and Faculties, in McGill College, and Colleges affiliated thereto.

The Statutes and Regulations of the University have been framed on the most liberal principles, with the view of affording to all classes of persons the greatest possible facilities for the attainment of mental culture and professional training. In its religious character the University is Protestant, but not denominational; and while all possible attention will be given to the character and conduct of students, no interference with their peculiar religious views will be sanctioned.

The educational work of the University is carried on in McGill College, Montreal, and in the affiliated Colleges and Schools.

### I.—MCGILL COLLEGE.

THE FACULTY OF ARTS.—The complete course of study extends over four Sessions, of eight months each; and includes Classics and Mathematics, Experimental Physics, English Literature, Logic, Mental and Moral Science, Natural Science, and one Modern Language, or Hebrew. The course of study is, with few exceptions, the same for all students in the first two years; but in the third and fourth years extensive options are allowed, more especially in favour of the Honour Courses in Classics, Mathematics, Mental and Moral Science, Natural Science, English Literature and Modern Languages. Certain exemptions are allowed to professional students. The course of study leads to the Degrees of B.A., M.A., and LL.D.

THE DONALD SPECIAL COURSE IN ARTS provides for the education of women, in separate classes, with course of study, exemptions and honours similar to those for men.

THE FACULTY OF APPLIED SCIENCE provides a thorough professional training, extending over three or four years, in Civil Engineering, Mechanical Engineering, Mining Engineering and Assaying, and Practical Chemistry, leading to the Degrees of Bachelor of Applied Science, Master of Engineering, and Master of Applied Science.

THE FACULTY OF MEDICINE.—The complete course of study in Medicine extends over four Sessions, of six months each, and one Summer Session of three months in the third Academic Year, and leads to the Degrees of M.D., C.M.



THE FACULTY OF LAW.—The complete course in Law extends over three Sessions of six months each, and leads to the Degrees of B.C.L. and D.C.L.\*

## II.—AFFILIATED COLLEGES.

Students of Affiliated Colleges are matriculated in the University, and may pursue their course of study wholly in the Affiliated College, or in part in McGill College, and may come up to the University Examinations on the same terms with the Students of McGill College.

MORRIN COLLEGE, *Quebec*.—Is affiliated in so far as regards Degrees in Arts and Law. (Detailed information may be obtained from Rev. John Cook, D.D., Principal.)

ST. FRANCIS COLLEGE, *Richmond*.—Is affiliated in so far as regards the Intermediate Examinations in Arts. (Detailed information may be obtained from Principal Bannister, B.A., Richmond, P.Q.)

## III.—AFFILIATED THEOLOGICAL COLLEGES.

Affiliated Theological Colleges have the right of obtaining for their students the advantage, in whole or in part, of the course of study in Arts, with such facilities in regard to exemptions as may be agreed on, and a number of Free Tuitions are granted by the Board of Governors to the Students of these Colleges when matriculated in Arts.

THE CONGREGATIONAL COLLEGE OF BRITISH NORTH AMERICA, *Montreal*.  
REV. WILLIAM M. BARBOUR, D.D., 58 McTavish St.

THE PRESBYTERIAN COLLEGE, MONTREAL, in connection with the Presbyterian Church in Canada. Principal, REV. H. MACVICAR, D.D., LL.D., 69 McTavish St.

THE DIOCESAN COLLEGE OF MONTREAL. Principal, REV. CANON HENDERSON M.A., D.D., 896 Dorchester St.

THE WESLEYAN COLLEGE OF MONTREAL. Principal, REV. GEORGE DOUGLASS, LL.D., 228 University St.

[Calendars of the above Colleges and all necessary information may be obtained on application to their Principals.]

## IV.—MCGILL NORMAL SCHOOL.

THE MCGILL NORMAL SCHOOL provides the training requisite for Teachers of Elementary and Model Schools and Academies. Teachers trained in this School are entitled to Provincial Diplomas, and may, on conditions stated in the announcement of the School, enter the classes in the Faculty of Arts for Academy Diplomas and for the Degree of B.A. Principal, S. P. ROBINS, LL.D., 36 Belmont St., Montreal.

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\* The complete Calendar, with information respecting all the Faculties, &c., may be obtained of J. W. Brackenridge, Esq., McGill College.



## V.—AFFILIATED HIGH SCHOOLS, ETC.

The Trafalgar Institute for the higher education of women, Simpson St., Montreal ; Principal, Miss Grace Fairley. The High School of Montreal, Metcalfe St. ; Principal, H. Aspinwall Howe, LL.D. The Girls' High School of Montreal, Metcalfe St. ; Lady Principal, Mrs. H. H. Fuller. Prince of Wales' College, Charlottetown, P.E.I. ; Bishop's College School, Lennoxville ; St. Francis College School ; Miss Symmers and Smith's School, Montreal ; Eliock School, Montreal ; Girls' High School, St. John, N.B. ; Clarenceville Academy ; Coaticook Academy ; Cowansville Academy ; Dunham Academy ; Gould Model School ; Huntingdon Academy ; Inverness Academy ; Knowlton Academy ; Lachute Academy ; Quebec High School ; Quebec Girls' High School ; Shawville Academy ; Sherbrooke Boys' Academy ; Sherbrooke Girls' Academy ; Stanstead Wesleyan College ; St. John's High School ; Sutton Academy ; Three Rivers Academy ; Waterloo Academy ; Waterville Academy.



## Faculty of Medicine.

SIR WILLIAM DAWSON, C.M.G., LL.D., F.R.S., Principal and Professor of Natural History.

ROBERT CRAIK, M.D., Dean of the Faculty and Professor of Hygiene and Public Health.

### EMERITUS PROFESSORS.

WILLIAM WRIGHT, M.D., Materia Medica, 84 St. Famille Street.

DUNCAN C. MACCALLUM, M.D., Midwifery, 45 Union Avenue.

### PROFESSORS.

G. E. FENWICK, M.D., Professor of Surgery, 2356 St. Catherine Street.

G. P. GIRDWOOD, M.D., Professor of Chemistry, 54 Beaver Hall Hill.

GEORGE ROSS, M.A., M.D., Professor of Medicine, 49 Union Avenue.

THOMAS G. RODDICK, M.D., Professor of Clinical Surgery, 80 Union Avenue.

WILLIAM GARDNER, M.D., Professor of Gynæcology, 109 Union Avenue.

FRANCIS J. SHEPHERD, M.D., Professor of Anatomy and Librarian of the Faculty, 152 Mansfield Street.

FRANK BULLER, M.D., Professor of Ophthalmology and Otology, 838 Dorchester Street.

AMES STEWART, M.D., Professor of Pharmacology and Therapeutics, and Registrar of the Faculty, 939 Dorchester Street.

GEORGE WILKINS, M.D., Professor of Medical Jurisprudence, and Lecturer on Histology, 898 Dorchester Street.

D. P. PENHALLOW, B.Sc., Professor of Botany.

R. L. MACDONNELL, B.A., M.D., Professor of Clinical Medicine, 117 Metcalfe Street.

WESLEY MILLS, M.A., M.D., Professor of Physiology, McGill College.

JAMES C. CAMERON, M.D., Professor of Midwifery and Diseases of Infancy, 941 Dorchester Street.

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### DEMONSTRATORS, INSTRUCTORS, &c.

R. F. RUTTAN, B.A., M.D., Lecturer on Chemistry, McGill College.

WILLIAM R. SUTHERLAND, M.D., Assistant Demonstrator of Anatomy, and Curator of the Museum, 764 Sherbrooke Street.

GEORGE W. MAJOR, B.A., M.D., Instructor in Laryngology, 82 Union Avenue.

ALEX. D. BLACKADER, B.A., M.D., Instructor in Diseases of Children, 70 Beaver Hall Hill.

WYATT G. JOHNSTON, M.D., Demonstrator of Pathology, McGill College.

JAMES BELL, M.D., Assistant to the Chair of Clinical Surgery, 53 Union Avenue.

T. JOHNSON ALLOWAY, M.D., Instructor in Gynæcology, 23 Mackay Street.

F. G. FINLEY, M.D., Assistant Demonstrator of Anatomy, 801 Dorchester St.



## BENEFACTORS OF THE

# *Faculty of Medicine.*

### I.—LEANCHOIL ENDOWMENT.

Sir Donald A. Smith, K.C.M.G. .... \$50,000

### II.—CAMPBELL MEMORIAL ENDOWMENT.—\$63,000

Established to commemorate the services rendered to the Faculty during forty years by the late Dean, George W. Campbell, M.D., LL.D.

Mrs. G. W. Campbell.....	\$2,000	John Rankin, Esq.....	\$500
H. A. Allan.....	1,500	Cantlie, Ewan & Co.....	500
Sir D. A. Smith.....	1,500	Robt. Reford .....	500
Sir George Stephen, Bart....	1,000	J. & W. Ogilvie.....	500
R. B. Angus, Esq.....	1,000	Randolph Hersey, Esq.....	500
George A. Drummond, Esq..	1,000	John A. Pillow, Esq.....	500
Alex. Murray, Esq.....	1,000	S. Carsley, Esq.....	500
Robert Moat, Esq.....	1,000	D. C. MacCallum, M.D.....	500
W. C. McDonald, Esq.....	1,000	McLachlan Bros.....	500
A Friend.....	1,000	S. Greenshields, Son & Co...	500
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Alex. Buntin, Esq.....	1,000	Duncan McEachren, Esq.,	
A. F. Gault, Esq.....	1,000	F.R.C.V.S.....	500
M. H. Gault, Esq.....	1,000	Geo. Ross, M.D.....	500
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James Benning, Esq.....	1,000	Wm. Gardner, M.D.....	500
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Frank Buller, M.D.....	1,000	G. E. Fenwick, M.D.....	500
G. B. & J. H. Burland, Esqs.	1,000	Alex. Ramsay, Esq.....	500
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Hugh McKay, Esq.....	1,000	Chas. F. Smithers, Esq.....	250
Hector McKenzie, Esq.....	1,000	John Kerry, Esq.....	250
Thomas Workman, Esq.....	1,000	A. Baumgarten, Esq.....	250
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George Hague, Esq.....	500	James Stewart, M.D.....	150
J. K. Ward, Esq.....	500	Mrs. Cuthbert (New Rich-	
Warden King, Esq.....	500	mond, Q.).....	100
John Stirling, Esq.....	500	J. M. Drake, M.D.....	100



H. W. Thornton, M.D. (New Richmond, Q.).....	\$ 100	T. J. Alloway, M.D.....	\$ 25
A. T. Paterson, Esq.....	100	R. F. Rinfret (Quebec).....	20
M. E. David, Esq.....	100	Robert Howard, M.D. (St. Johns).....	20
C. B. Hanvey, M.D. (Yale, B. C.).....	100	Dr. J. & D. J. McIntosh (Van- kleck Hill).....	20
D. Cluness, M.D. (Nanaimo, B.C.).....	100	J. E. Brouse, M.D. (Prescott). J. H. McBean, M.D.....	20 15
W. Kinlock, Esq.....	100	J. C. Rattray, M.D. (Cobden, O.).....	10
Hua & Richardson.....	100	J. H. Howard, M.D. (Lachine) J. W. Oliver, M.D. (Clifton, O.)	10 10
Hugh Paton, Esq.....	100	D. A. McDougall, M.D. (Otta- wa, O.).....	10
R. T. Godfrey, M.D.....	100	A. Pousette, M.D. (Sarnia, O.) A. Ruttan, M.D. (Napanea, O.)	10 10
T. A. Rodger, M.D.....	100	James Gun, M.D. (Durham, O.).....	10
W. A. Dyer, Esq.....	100	J. McDiarmid, M.D. (Hensall, O.).....	5
Geo. Wood, M.D. (Fairbault, Min.).....	100	W. J. Derby, M.D. (Rockland, O.).....	5
A. A. Browne, M.D.....	100	J. Gillies, M.D. (Teeswater, O.) J. B. Benson, M.D. (Chatham, N.B.).....	5 5
George Wilkins, M.D.....	100	L. A. Fortier, M.D. (St. David, Q.).....	5
R. L. MacDonnell, M.D.....	100	J. A. McArthur, M.D. (Fort Elgin, O.).....	5
Joseph Workman, M.D. (Tor- onto).....	50	John Campbell, M.D. (Sea- forth, O.).....	5
Sir A. T. Galt.....	50		
Henry Lunam, B.A., M.D. (Campbellton, N.B.).....	50		
Griffith Evans, M.D. (Vet. De- partment, Army).....	25		
J. J. Farley, M.D. (Belleville). Henry R. Gray, Esq.....	25 25		
Louis T. Marceau, M.D. (Na- pierville, Q.).....	25		
R. J. B. Howard, M.D.....	25		

### III.—CAMERON OBSTETRICAL ENDOWMENT.

Dr. J. C. Cameron.....	\$10,000
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# McGill University.—Faculty of Medicine.

TIME TABLE—FIRST AND SECOND YEARS, 1888-89.

A.M.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
9	Anatomy Examination.	Anatomy.	Anatomy.	Anatomy.	Anatomy.	Practical Physiology, 2nd Year.
10	* Practical Chemistry, 2nd Year till 12 o'clock.	Practical Chemistry, 2nd. Botany, 1st Year.	Practical Chemistry, 2nd Year. Histology Lecture, 1st Year.	Practical Chemistry, Botany, 1st Year.	Practical Chemistry, 2nd Year.	Practical Chemistry. Practical Physiology. Histology Demonstration.
11	Out-Patients, Montreal Gen'l Hospital.	Out-Patients, Montreal Gen'l Hospital.	Out-Patients, Montreal Gen'l Hospital.	Out-Patients, Montreal Gen'l Hospital.	Out-Patients, Montreal Gen'l Hospital.	Out-Patients, Montreal Gen'l Hospital.
P.M. 2	Physiology Examination, 2nd Year.	Physiology, 2nd Year.	Physiology, 2nd Year.	Physiology, 1st Year.	Physiology, 1st & 2nd Year.	
3	Chemistry Examination.	Chemistry.	Chemistry.	Chemistry.	Chemistry.	
4	Therapeutics Examination. Physiology, 1st Year.	Therapeutics.	Therapeutics. Physiology, 1st Year.	Therapeutics.	Therapeutics. Physiology, 1st Year.	
4 to 6		Practical Histology.		Practical Histology.		
10 to 12 AM.	Practical Anatomy.	Practical Anatomy.	Practical Anatomy.	Practical Anatomy.	Practical Anatomy.	Practical Anatomy.

N.B.—The Demonstrators' Hours in the Dissecting Room are from 10-12 a.m., and from 8-10 p.m. \* Until Christmas only.



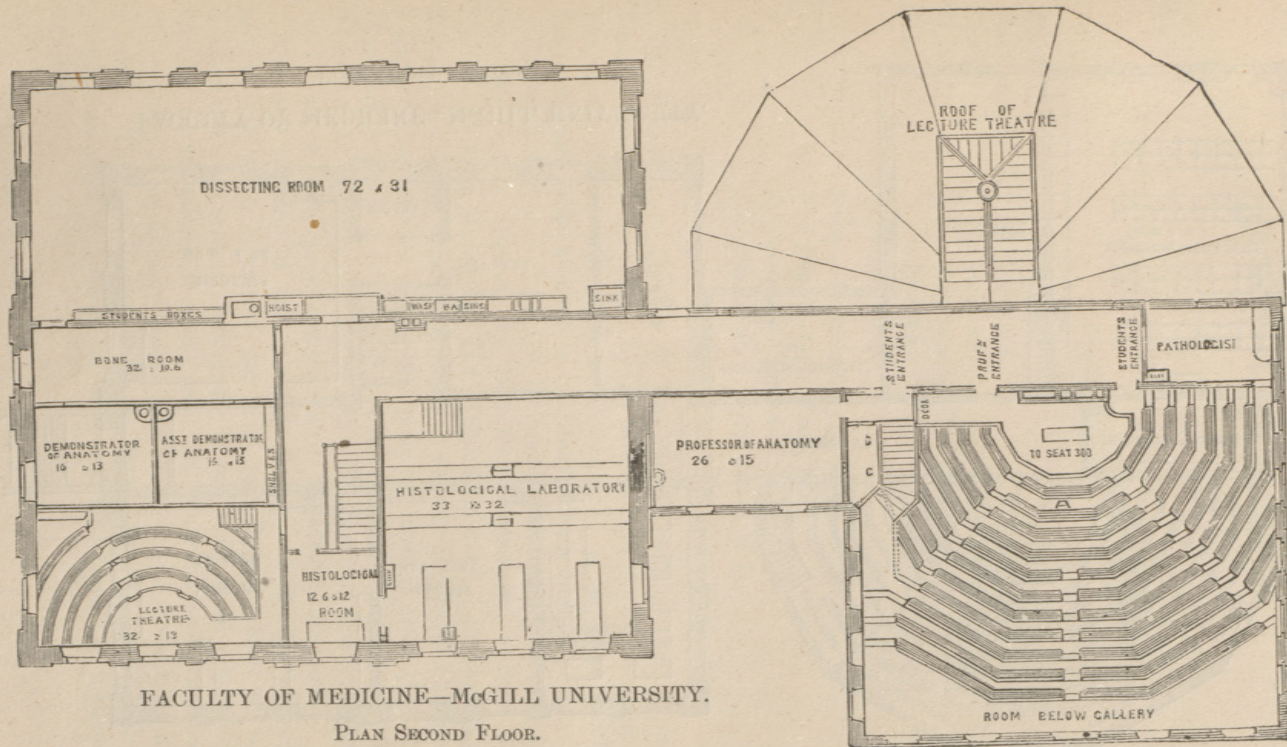
# McGill University.—Faculty of Medicine.

TIME TABLE—THIRD AND FOURTH YEARS, 1889-90.

A. M.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
9	Midwifery.	Midwifery.	Gynæcology.	Midwifery.	Gynæcology.	
10	Surgery, Examination.	Surgery.	Surgery.	Surgery.	Surgery.	Morbid Anatomy Demonstrations.
11	Practice of Medicine, Examination.	Practice of Medicine.	Practice of Medicine.	Practice of Medicine.	Practice of Medicine.	
P. M. 1-2.30	Medical Clinic, 4th Year. Surgical Clinic, 3rd Year.	Surgical Clinic, 4th Year. Medical Clinic, 3rd Year.	Medical Clinic, 4th Year. Surgical Clinic, 3rd Year.	Surgical Clinic, 4th Year. Medical Clinic, 3rd Year.	Medical Clinic, 4th Year. Surgical Clinic, 3rd Year.	Surgical Clinic, 4th Year. Medical Clinic, 3rd Year.
2					Skin Clinic.	
2.30	Ophthalmic Clinic.	Clinic on Diseases of Children.	Ophthalmic Clinic.		Ophthalmic Clinic, Clinic on Diseases of Children.	
4	Therapeutics Examination.	Therapeutics.	Clinical Therapeutics, at the Hospital.	Therapeutics.	Therapeutics.	
3	Gynæcological Clinic.	General Pathology.		Lecture on Ophthalmology. Gynæcological Clinic.		Gynæcological Clinic.
5-6	Medical Jurisprudence.		Medical Jurisprudence, Midwifery. 3rd Year only.		Medical Jurisprudence.	

Autopsies are performed at the General Hospital between 12 a.

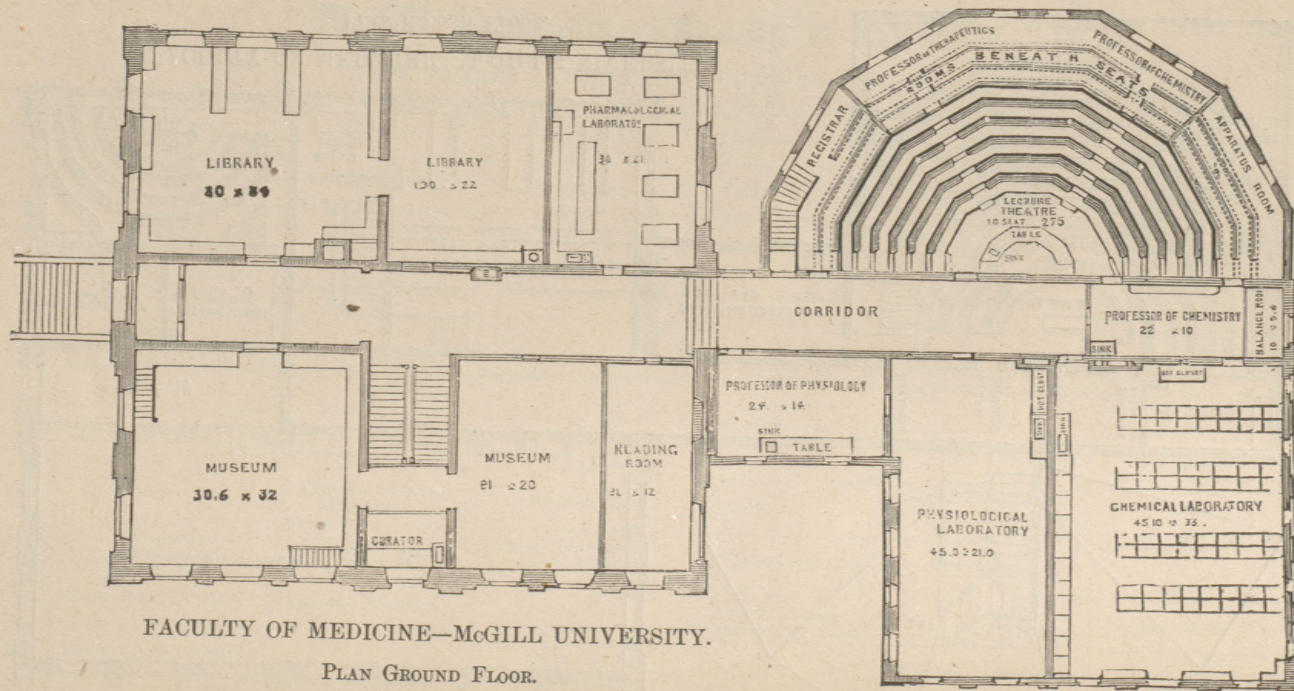




FACULTY OF MEDICINE—MCGILL UNIVERSITY.

PLAN SECOND FLOOR.





FACULTY OF MEDICINE—MCGILL UNIVERSITY.

PLAN GROUND FLOOR.



## Faculty of Medicine.

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THE PRINCIPAL (ex officio), SIR WM. DAWSON.

*Professors :*

WRIGHT,  
MACCALLUM,  
CRAIK,  
FENWICK,  
GIRDWOOD,

ROSS,  
RODDICK,  
GARDNER,  
SHEPHERD,  
BULLER,  
STEWART.

WILKINS,  
PENHALLOW,  
MACDONNELL,  
MILLS,  
CAMERON,

*Dean.*—ROBERT CRAIK, M.D.

*Vice-Dean.*—GEO. ROSS, M.D.

*Registrar.*—J. STEWART, M.D.

*Librarian.*—F. J. SHEPHERD, M.D.

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The Fifty-seventh Session of the Faculty will be opened on Tuesday, October 1st, 1889, by an introductory lecture at 3 p.m. The regular lectures will begin on October 2nd, at the hours specified in the time table, and will be continued for six months.

The Medical School of McGill University was founded in 1824 as the "Medical Institution" by Drs. John Stephenson, Andrew F. Holmes, William Robertson and William Caldwell. In 1829 the Medical Institution became the Medical Faculty of McGill College. There were no Sessions during the political troubles from 1836 to 1839, and it is owing to this gap that the present is the fifty-seventh Session of the Faculty. In reality this is the sixty-first Session of the School, which is the direct continuation of the Medical Institution.

The new building of the Medical Faculty, which was opened in the year 1885, is one of the most complete structures of its kind on this continent or elsewhere. It has been found admirably adapted for the fulfilment of the great aim of the Faculty—to make the teaching of the primary branches as practical and as thorough as possible. The facilities now possessed by the Faculty for the above purpose are equal to those of the most advanced European medical schools.



Through the great liberality of Sir Donald A. Smith in founding the "Leancoil Endowment," and of the citizens of Montreal and Medical Graduates in subscribing to the "Campbell Memorial Fund," the Faculty are enabled to conduct and maintain the teaching of the different branches in a high state of efficiency.

#### Laboratories, &c.

In addition to the laboratories and dissecting room, there are two large lecture rooms, each capable of comfortably seating 300 students, and one small demonstration room for classes of 50 and under. The space allotted to the library and museum has been largely increased. A large reading room, with waiting and cloak rooms, have been provided for students.

#### Dissecting Room.

The Dissecting Room, which is situated on the second floor, is 76 feet in length and 31 feet in breadth. It is furnished with twenty tables, and is well lighted for work during the day and night. In procuring appliances for the comfort and convenience of the students, no reasonable expense has been spared.

In connection with the dissecting room, there is a "Bone room," where students have an excellent opportunity of studying osteology. There are also two distinct rooms for the demonstrators of anatomy

#### Physiological Laboratory.

The Physiological Laboratory, which is situated on the ground floor, is supplied with the most modern apparatus for the practical teaching of this most important branch of the medical curriculum. It contains amongst other valuable instruments: kymographs, various manometers, &c., for demonstrating blood pressure; myographs, rheocords, moist chambers, &c., and various electrical appliances for demonstrating experiments in connection with nerve and muscle; special apparatus for illustrating various points in respiration; apparatus specially suitable for demonstrating the processes of digestion, as well as the chemical composition and nature of the secretions, and the chief constituents of the tissues and nutritive fluids. The laboratory is arranged in such a way as to permit of students assisting at, and taking part in, these demonstrations. During the past session important additions have been made to the apparatus of the physiological laboratory.



### **Histological Laboratory.**

The Histological Laboratory is a large, well lighted room on the second floor. It is so arranged that over eighty students can be present at the microscopical demonstrations. For this purpose it is supplied with thirty-five microscopes, all from the well-known makers, Zeiss, Hartnack and Leitz. From the large number of microscopes employed, students will have special facilities in studying and making themselves thoroughly acquainted with the specimens that are the subjects of demonstration.

### **Pharmacological Laboratory.**

The Pharmacological Laboratory is a large room situated on the ground floor, and is now furnished with the necessary appliances for the practical teaching of pharmacy. It is hoped that before another session passes away, the apparatus necessary for the demonstration of the more important actions of many drugs will be in possession of the Faculty.

### **Chemical Laboratory.**

The Chemical Laboratory is large, lofty, and well lighted, and can accommodate comfortably 76 men at one time. Each student, when entering on this course, has a numbered table in the laboratory assigned to him for his use during the session. Each table has its own gas and water fixtures, and is provided with shelves for its corresponding set of reagent-bottles, as well as a drawer and locker containing a modern set of chemical apparatus especially adapted for the work. This apparatus is provided by the Professor of Chemistry, and supplied to each student without extra charge. The student is only required to pay for apparatus broken or destroyed.

The laboratory is furnished with a large draught closet for ventilation, sulphuretted hydrogen apparatus, gas and combustion furnaces, &c., giving to the student unsurpassed advantages for acquiring a sound and practical knowledge of medical chemistry.

### **Pathological Laboratory.**

In the Pathological Laboratory accommodation will be provided for students or practitioners who desire to carry on private pathological research.



The recent additions made to the laboratory include a suite of rooms exclusively devoted to the study and culture of Bacteria, furnished with a complete outfit of the best modern apparatus for this purpose, including sterilizer, thermostat, &c., &c.

The demonstrations in Morbid Anatomy will be given in a small laboratory specially arranged for the work.

The classes in Pathological Histology will be held in the Histological Laboratory.

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The class tickets for the various courses are accepted as qualifying candidates for examination before the various Colleges and Licensing bodies of Great Britain and Ireland, and the College of Physicians and Surgeons of Ontario. The degree in Medicine of this University carries with it at the Licensing Boards of Great Britain the same exemptions in certain subjects as are granted to all colonial degrees.

To meet the circumstances of the General Practitioners in British North America, where there is no division of the profession into Physicians and Surgeons exclusively, the degree awarded upon graduation is that of "Doctor of Medicine and Master of Surgery," in accordance with the general nature and character of the curriculum, as fully specified hereafter. The degree is received by the College of Physicians and Surgeons of the Province of Quebec.



## I.

**MATRICULATION.**

It is very important that intending Students should bear in mind the following:—

(1.) *If residents of Ontario, and desirous of obtaining the license of that Province, they must conform to the regulations regarding the Preliminary Examination, and register before beginning their medical studies.* (See page 26.)

(2.) *If residents of the Province of Quebec, and desirous of obtaining the license of that Province, they must pass the Matriculation Examination of the Quebec Medical Board before beginning their medical studies.* (See page 25.)

*In the event of a resident in the Province of Quebec producing a Certificate of Matriculation from any of the other Provinces of the Dominion he will be required to make a declaration that he had not obtained it with the object of avoiding the examination of the Quebec Medical Board.*

(3.) *Residents of the Maritime Provinces, Manitoba, or British Columbia may either pass the Preliminary Examination of their respective Medical Boards or the Matriculation Examination of this University.*

**(A).—UNIVERSITY MATRICULATION EXAMINATION.**

The Preliminary Examinations in General Education of the following Bodies is accepted by the University in lieu of its own Matriculation Examination:—

1. The College of Physicians and Surgeons, Ontario.
2. The College of Physicians and Surgeons, Quebec.
3. The New Brunswick Medical Board.
4. The Nova Scotia Medical Board.
5. The Manitoba Medical College.

Graduates and Matriculates in Arts of all recognized Universities are exempt from matriculation. Any student who is unable to present proof of having passed any one of the above or other equally satisfactory examination, will be required to undergo the matriculation examination either in Arts or Medicine of this University.



The matriculation in Arts is held twice yearly : on the 1st of June and following days, and on the 16th of September and following days.

The subjects for examination are Classics, Mathematics and English.

*Greek*.—Xenophon, *Anabasis*, Book I. ; Greek Grammar.

*Latin*.—Cæsar, *Bell. Gall.* Book I. ; and Virgil, *Æneid*, Book I. lines 1-300 ; Latin Grammar.

*Mathematics*.—Arithmetic ; Algebra, to simple equations (inclusive) ; Euclid's *Elements*, Books I., II., III.

*English*.—Writing from Dictation. A paper on English Grammar, *including Analysis*. A paper on the leading events of English history. Essay on a subject to be given at the time of the examination.

An equivalent amount of other books or other authors in Latin or Greek than those named may be accepted by the Examiners, on application made through the Professor of Classics.

The Medical Matriculation Examination is the same as that required by the Medical Council of Great Britain.

Examinations in conformity therewith will be held on the last Friday and Saturday in March and the last Friday and Saturday in September of each year. Applications may be made to Dr. Howe, the Examiner till the evening of the previous day. The requirements of the standard for Matriculation are :—(1) English Language, including Grammar and Composition.\* (2) English History. (3) Modern Geography. (4) Latin, including Translation from the original and Grammar. (5) Elements of Mathematics, comprising (*a*) Arithmetic, including Vulgar and Decimal Fractions ; (*b*) Algebra, including simple Equations ; (*c*) Geometry, including the first two books of Euclid or the subjects thereof. (6) Elementary Mechanics of Solids and Fluids, comprising the elements of Statics, Dynamics and Hydrostatics. (7) One of the following optional subjects :—(*a*) Greek, (*b*) French, (*c*) German, (*d*) Italian, (*e*) any other modern language, (*f*) Logic, (*g*) Botany, (*h*) Elementary Chemistry.

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\* The ability of the candidate will be fully tested in the following ;—“(1) To write sentences in English on a given theme, attention being given to spelling and punctuation as well as to composition ; (2) to write correctly from dictation ; (3) to explain the grammatical construction of sentences ; (4) to point out the grammatical errors in sentences ungrammatically composed, and to explain their nature ; and (5) to give the derivation and definition of English words in common use.”



TEXT-BOOKS—Latin: Cicero, in *Catalinam* I. ; or Virgil, *Æneid*, Bk. I.

GREEK.—Xenophon, *Anabasis*, Bk. I., or Homer's *Iliad*, Bk. IV.

FRENCH.—Voltaire's *Charles XII.*, Books I. and II.

NATURAL PHILOSOPHY.—Ganot's *Physics*, Books I., II. and III.

BOTANY.—Gray's "How Plants Grow."

ELEMENTARY CHEMISTRY.—Storer and Elliott's *Manual*.

(B).—**MATRICULATION EXAMINATION**

OF THE

**COLLEGE OF PHYSICIANS AND SURGEONS OF QUEBEC.**

LATIN.—Cæsar's *Commentaries*, Bks. I., II., III., IV., V.—Virgil's *Æneid*, Bks. I. and II.—The *Odes* of Horace, Bk. III.

ENGLISH.—Sprague's "Six Selections from Washington Irving's *Sketch Book*."—A play of Shakespeare, viz., "*Coriolanus*" for 1889, and "*Richard III.*" for 1890.

FRENCH.—Fénélon's "*Aventures de Télémaque*."—A French play, viz., Molière, "*Le Bourgeois Gentilhomme*" and La Fontaine's "*Fables*," Books I., II., III., for 1889 and 1890.

BELLES LETTRES AND RHETORIC.—Principles of the subject. History of the Literature of the age of Pericles in Greece, of Augustus in Rome, of Elizabeth in England, Louis XIV. in France, and of the 17th and 18th centuries of both countries.

HISTORY.—Outlines of the History of Greece and Rome, with particular knowledge of England, France and Canada.

GEOGRAPHY.—A general view, with particular knowledge of England, France and North America.

ARITHMETIC.—Must include Vulgar and Decimal Fractions, Simple and Compound Proportion, Interest and Percentages, and Square Root.

ALGEBRA.—Must include Fractions and Simultaneous Equations of the First Degree.

GEOMETRY.—Euclid, Books I., II., III., IV. and VI., or the portion of Plane Geometry covered by those Books. Also the measurement of the lines, surfaces and volumes, of regular geometrical figures.



## OPTIONAL SUBJECTS.

GREEK.—Xenophon's *Anabasis*, Book I.—Homer's *Iliad*, Book I.

PHYSICS.—Outlines of the subject, as in Ganot's *Physics*, translated by Atkinson.

PHILOSOPHY.—Elements of Logic and of Moral Philosophy, as in Jevon's *Logic* and Calderwood's *Hand-book of Moral Philosophy*.

The Examinations will be held upon the 19th of September, 1889, at Quebec, and on the 4th of May, 1890, at Montreal. Applications to be made to Dr. F. W. Campbell, Montreal, or Dr. Belleau, Quebec, either of whom will furnish schedule giving text books and percentage of marks to be obtained.

Examination Fee, ten dollars. Should the candidate be unsuccessful, one half of the fee will be returned.

Of the four years' study *after* having passed the Matriculation Examination, three six months' sessions, at least, must be attended at a University, College, or Incorporated School of Medicine, recognized by the "Provincial Medical Board." The first session must be attended during the year immediately succeeding the Matriculation Examination, and the final session must be in the fourth year.

## (C).—MATRICULATION EXAMINATION

## OF THE

## COLLEGE OF PHYSICIANS AND SURGEONS OF ONTARIO.

On and after July 1st, 1888, every one desirous of being registered as a Matriculated Medical Student in the Register of this College, except as hereinafter provided, must present to the Registrar, Dr. Pyne, Toronto, the official certificate of having passed the 2nd class Teachers' examination with Latin option; whereupon he shall be entitled to be so registered upon the payment of twenty dollars and giving proof of his identity.

Graduates in Arts, or Students having matriculated in Arts in any University in Her Majesty's Dominions are not required to pass the Matriculation Examination, but may register their names with the Registrar of the College, upon giving satisfactory evidence of their qualifications and upon paying the fee of twenty dollars.



## II.

## ENREGISTRATION.

*The following are the University Regulations:—*

All Students desirous of attending the Medical Lectures shall, at the commencement of each Session, enrol their names and residences in the Register of the Medical Faculty.

The said Register shall be closed on the last day of October in each year. Fees are payable to the Registrar, and must be paid in advance (except under special circumstances) at the time of enregistration.

Enregistration in the Summer Session is compulsory upon all Students, whether attending one or more of the classes.

## III.

## COURSES OF LECTURES.

## ANATOMY.

(DESCRIPTIVE AND PRACTICAL).

PROFESSOR FRANCIS J. SHEPHERD.

JOHN STEPHENSON, 1824.

WILLIAM E. SCOTT, 1856.

OLIVER T. BRUNEAU, 1842.

FRANCIS J. SHEPHERD, 1883.

Anatomy is taught in the most practical manner possible, and its relation to Medicine and Surgery fully considered. The lectures are illustrated by the fresh subject, moist and dry preparations, sections, models and plates, and drawings on the blackboard.

The department of *Practical Anatomy* is under the direct control and personal supervision of the Professor of Anatomy, assisted by his staff of Demonstrators.

The methods of teaching are similar to those of the best European schools, and Students are thoroughly grounded in this branch.



Every Student must be examined *at least* three times in each part dissected, and no certificate is given unless the examinations are satisfactory.

Special Demonstrations on the Brain, Thorax, Abdomen, Bones, &c., are frequently given. Prizes are awarded at the end of the Session for the best examination on the fresh subject.

The Dissecting Room is open from 8 a.m. to 10 p.m. Abundance of material provided.

### CHEMISTRY.

PROFESSOR GILBERT P. GIRDWOOD.

LECTURER, R. F. RUTTAN.

ANDREW F. HOLMES, 1824.

WILLIAM SUTHERLAND, 1849.

ARCHIBALD HALL, 1842.

ROBERT CRAIK, 1867.

GILBERT P. GIRDWOOD, 1879.

Inorganic Chemistry is fully treated; a large portion of the course is devoted to Organic Chemistry and its relations to Physiology. The branches of Physics bearing upon or connected with Chemistry also engage the attention of the Class. For experimental illustration abundant apparatus is possessed by the College.

The Chemical Laboratory will be open to members of the class to repeat experiments performed during the course, under the superintendence of the Professor or Lecturer.

### PRACTICAL CHEMISTRY.

PROFESSOR GILBERT P. GIRDWOOD.

LECTURER, R. F. RUTTAN.

The course in practical chemistry includes two hours' laboratory work three times a week for three months. The Students are instructed individually in chemical manipulations, blow-pipe analysis, and qualitative determination of the salts, acids, &c., they will require to use in practice. They are required before finishing their course to be familiar with the principles of practical Forensic and Sanitary Chemistry. Special attention is directed to instructing the Student



in making accurate notes of his experiments and his conclusions. These notes are examined daily and criticised.

### PHYSIOLOGY.

PROFESSOR WESLEY MILLS.

JOHN STEPHENSON, 1824.

WILLIAM FRASER, 1849.

STEPHEN C. SEWELL, 1842.

JOSEPH M. DRAKE, 1872.

ROBERT L. MACDONNELL, 1845.

WILLIAM OSLER, 1874.

WESLEY MILLS, 1886.

The purpose of this Course is to make Students thoroughly acquainted, as far as time permits, with modern Physiology: its methods, its deductions, and the basis on which the latter rest. Accordingly a full course of lectures is given, in which both the Experimental and Chemical departments of the subject receive attention.

In addition to the use of diagrams, plates, models, &c., every department of the subject is experimentally illustrated. The experiments are free from elaborate *technique*, and many of them are of a kind susceptible of ready imitation by the Student.

#### *Laboratory work for Senior Students:—*

(1.) During the first part of the Session there will be a course on Physiological Chemistry, in which the Student will, under direction, investigate food stuffs, digestive action, blood, and the more important secretions and excretions, including urine. All the apparatus and material for this course will be provided.

(2.) The remainder of the Session will be devoted to the performance of such experiments as are unsuitable for demonstration to a large class in the lecture room, and such as require the use of elaborate methods, apparatus, &c.

### HISTOLOGY.

PROFESSOR GEO. WILKINS.

This will consist of a course of ten lectures and twenty-five weekly demonstrations with the Microscope, besides a short course in the preparation and mounting of specimens. As the demonstrations will



be chiefly relied upon for teaching the Microscopic Anatomy of the various structures, the specimens under observation will then be minutely described. Plates and diagrams specially prepared for these lectures will be freely made use of.

## PHARMACOLOGY AND THERAPEUTICS.

PROFESSOR JAMES STEWART.

ANDREW F. HOLMES, 1824.

A. HALL, 1849.

ARCHIBALD HALL, 1835.

WILLIAM WRIGHT, 1854.

STEPHEN C. SEWELL, 1842.

JAMES STEWART, 1883.

The course on this subject comprises :

I. A description of the Pharmacology and Therapeutics of the more important medicinal agents.

II. The delivery of a weekly lecture ("Clinical Therapeutics") in the theatre of the General Hospital on some case or groups of cases well adapted for illustrating important points in both general and special Therapeutics. The material for these lectures is abundant, being obtained from both the wards and the out door clinics. Electro Therapeutics will also be dealt with in this part of the course.

III. The attendance during the summer session of a course on Practical Materia Medica.

## MEDICINE.

PROFESSOR GEORGE ROSS.

WILLIAM CALDWELL, 1824.

ANDREW F. HOLMES, 1842.

WILLIAM ROBERTSON, 1833.

R. PALMER HOWARD, 1860.

GEORGE ROSS, 1889.

While the lectures on this subject are mainly devoted to Special Pathology and Therapeutics, no opportunity is lost of illustrating and explaining the *general* laws of disease. With the exception of certain affections seldom or never observed in this country, all the important internal diseases of the body, except those peculiar to Women and children, are discussed, and their Pathological Anatomy illustrated by the large collection of morbid preparations in the University Museum, and by fresh specimens contributed by the Demonstrator of Morbid Anatomy.

The College possesses an extensive series of Anatomical plates



illustrative of the Histological and Anatomical appearances of disease, and the wards of the General Hospital afford the lecturer ample opportunities to refer to living examples of very many of the maladies he describes, and to give the results of treatment.

### CLINICAL MEDICINE.

*PROFESSOR R. L. MACDONNELL.*

JAMES CRAWFORD, 1845 and 1852.	DUNCAN C. MACCALLUM, 1860
ROBT. L. MACDONNELL, 1849.	JOSEPH M. DRAKE, 1868.
STEPHEN C. SEWELL, 1850.	GEORGE ROSS, 1872.
R. PALMER HOWARD, 1856.	RICH'D L. MACDONNELL, 1889.

Attendance is given in the Medical Wards of the Montreal General Hospital on three days of every week with the 3rd year students, and three days with those of the 4th year. Accurate reports of all cases are kept by duly appointed clinical clerks, and are systematically read before the class. Instruction is given at the bedside, and special inducements are offered to every pupil to take part in the physical examination of patients. The mode of conducting investigations, the use of the microscope, the value of the thermometer and ophthalmoscope, &c., in medical diagnosis, are all explained and illustrated. Senior Students are called upon in rotation to examine new cases before the class, and to be examined thereon as to their general knowledge. In addition, one weekly Clinical Lecture is delivered, bearing upon some case or cases of importance which may happen to be under observation at the time. Special attention is directed to Medical Anatomy, and candidates for the degree will be examined thereon.

### SURGERY.

*PROFESSOR GEO. E. FENWICK.*

JOHN STEPHENSON, 1824.	G. W. CAMPBELL, 1835.
GEO. E. FENWICK, 1875.	

The first part of this course consists of Surgical Pathology, illustrated by a large collection of preparations from the College Museum, also specimens as they are obtained from cases under observation at the Hospital, and contributed to that collection by the Hospital pathologist and from private sources. The second part of the course is devoted to the practice of Surgery, in which attention is drawn to cases which have been observed by the class during



the previous summer session. The various surgical appliances are exhibited, and their uses and application explained. Surgical Anatomy and Operative Surgery form a special department of this course, and Quain's and MacLise's plates are used in illustration.

### CLINICAL SURGERY.

*PROFESSOR THOMAS G. RODDICK.*

JAMES CRAWFORD, 1845.	ROBERT CRAIK, 1860.
WILLIAM E. SCOTT, 1852.	GEORGE E. FENWICK, 1867.
DUNCAN C. MACCALLUM, 1856.	THOMAS G. RODDICK, 1875.

This course is eminently practical, consisting of bedside instruction and lectures delivered weekly, illustrative of surgical cases actually present in the wards of the General Hospital. The class is separated into junior and senior divisions which are taken charge of by the Professor on alternate days, when the reports of the Clinical clerks are read and criticised, and fresh cases are examined by the senior students. The surgical dressings are, as much as possible, reserved for these occasions, so as to give all present an opportunity of participating in the application of splints to fractures, dressing of wounds, minor operations, &c. Major operations are performed in the theatre attached to the Hospital, which is so constructed that the most distant can obtain a fair view of the operations. All the recently invented appliances for the treatment of surgical disease have been introduced into the Hospital.

### MIDWIFERY.

*PROFESSOR J. C. CAMERON.*

WILLIAM ROBERTSON, 1824.	ARCHIBALD HALL, 1854.
JOHN RACEY, 1833.	DUNCAN C. MACCALLUM, 1868.
GEO. W. CAMPBELL, 1835.	ARTHUR A. BROWNE, 1883.
MICHAEL McCULLOCH, 1842.	J. C. CAMERON, 1886.

This course will embrace: 1. Lectures on the principles and practice of the obstetric art, illustrated by diagrams, fresh and preserved specimens, the artificial pelvis, complete set of models illustrating deformities of the pelvis, wax preparations, bronze mechanical pelvis, &c. 2. Bedside instruction in the Montreal Maternity, including external palpation, pelvimetry, the management and after-treatment of cases. 3. A complete course on obstetric operations with the phantom and preserved fœtuses. 4. The Diseases of Infancy.



5. A course of individual clinical instruction at the Montreal Maternity.

Arrangements have now been made for a graded course in Obstetrics, instruction being given separately to third year and final students.

### GYNÆCOLOGY.

*PROFESSOR WM. GARDNER, 1883.*

The course on this subject will comprise two lectures a week throughout the session. The anatomy and physiology of the parts concerned will be first discussed. Then the various methods of examination will be fully described, the necessary instruments exhibited, and their uses explained. After this, the diseases peculiar to the sex will be considered as fully as time will permit, in the following order:—Disorders of Menstruation; Leucorrhœa, its causes and treatment; Pelvic Cellulitis and Peritonitis; Lacerations of the Cervix Uteri and Perineum; Urinary and Fæcal Fistulæ; Inflammations of the Uterus; Displacements of the Uterus; Tumors of the Uterus: Diseases of the Ovaries.

The lectures will be illustrated as fully as possible by drawings and morbid specimens. The Gynæcological Clinic of the General Hospital furnishes the Professor with ample material to illustrate the subjects considered in the didactic lectures.

### MEDICAL JURISPRUDENCE.

*PROFESSOR GEO. WILKINS.*

WILLIAM FRASER, 1845.	R. PALMER HOWARD, 1854.
FRANCIS BADGLEY, 1849.	DUNCAN C. MACCALLUM, 1860.
FRANCIS C. T. ARNOLDI, 1850.	GEORGE E. FENWICK, 1867.
WILLIAM E. SCOTT, 1851.	WILLIAM GARDNER, 1875.
WILLIAM WRIGHT, 1852.	GEORGE WILKINS, 1883.

This course includes Insanity, the subject being treated of in its Medical as well as Medico-Legal aspects. Special attention is devoted to the subject of blood stains, the Clinical, Microscopic and Spectroscopic tests for which are fully described and shown to the class. The various spectra of blood in its different conditions are shewn by Zeiss' Microspectroscope, so well adapted for shewing the reactions with exceedingly minute quantities of suspected material. Recent



researches in the diagnosis of human from animal blood are alluded to. In addition to the other subjects usually included in a course of this kind, Toxicology is taken up. The modes of action of poisons, general evidence of poisoning and classification of poisons are first treated of, after which the more common poisons are described, with reference to symptoms, post-mortem appearances, and chemical tests. The post-mortem appearances are illustrated by plates, and the tests are shown to the class.

### OPHTHALMOLOGY AND OTOTOLOGY.

*PROFESSOR FRANK BULLER, 1883.*

Will include a course of lectures on diseases of the Eye and the Ear, both Didactic and Clinical. In the former, the general principles of diagnosis and treatment will be dealt with; in the latter, cases illustrative of the typical forms of ordinary diseases of these organs will be exhibited and explained to the class, and afterwards placed under the special care of gentlemen who may show themselves competent to take charge of them. A course of Operations on the cadaver will be open to such students as may wish to avail themselves of the same.

### HYGIENE AND PUBLIC HEALTH.

*PROFESSOR ROBERT CRAIK.*

GEORGE ROSS, 1871.

THOMAS G. RODDICK, 1873.

ROBERT T. GODFREY, 1875.

WILLIAM GARDNER, 1879.

R. L. MACDONNELL, 1886.

ROBERT CRAIK, 1889.

This course comprises lectures on Drinking Water and Public Water Supplies; conditions of Soil and Water as affecting health, including Drainage and the various methods for the removal of Excreta; the Atmosphere, including Heating and Ventilation; Individual Hygiene, comprising the subjects of Food and Drink; Physical Exercise and Bathing; discussion of the respective merits of the various forms of each, precautions, contra-indications, &c. Village Sanitary Associations; Mutual Protective Sanitary Associations for cities.



**BOTANY.***PROFESSOR D. P. PENHALLOW.*

ANDREW F. HOLMES, 1829.

DR. PAPINEAU, 1845.

JAMES BARNSTON, 1857.

J. W. DAWSON, 1855.

D. P. PENHALLOW, 1883.

The course in Botany includes General Morphology, Histology, Physiology and Classification. It is designed to give special prominence to Physiology, which will be made comparative whenever practicable. The course is illustrated by the microscope and gas microscope, and by the collection, models and apparatus in the Peter Redpath Museum.\*

**ZOOLOGY.***PROFESSOR SIR WILLIAM DAWSON.*

This course includes a systematic study of the classification of animals, illustrated by Canadian examples and by the collections in the Peter Redpath Museum. It forms a suitable preparation for collecting in any department of Canadian Zoology and Palæontology, and an introduction to Comparative Physiology. It may be taken instead of Botany, or along with it, without any additional fee.

Students in Botany or Zoology will receive tickets to the Peter Redpath Museum, and to the Museum of the Natural History Society of Montreal.

**PATHOLOGY.***W. G. JOHNSTON, DEMONSTRATOR.**This Course comprises:—*

1. Twenty-five lectures on General Pathology to students of the 3rd year.
2. Weekly Pathological Demonstrations to students of the 3rd year. The gross and microscopic appearances of specimens collected during the week, are demonstrated to the final classes. In addition, special demonstrations in Pathological Histology are given throughout the session.

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\* Exemptions from Botany in the Matriculation, for Arts' Students, do not entitle Students to exemptions in the First year.



3. Instruction in Post-Mortems. The Autopsy Room of the General Hospital is in charge of the Demonstrator. The post-mortems are performed by the students in rotation under his direction, and systematic demonstrations of post-mortem methods, including those to be followed in Medico-Legal cases, will also be given.

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### PRACTICAL MICROSCOPY.

This is an entirely optional course, and will be in charge of Prof. Wilkins, who will have Dr. Johnston, the Demonstrator of Pathology, associated with him. It is intended especially for teaching the technique of Microscopy. Students will be shewn how to examine blood, &c., fresh specimens and morbid products, also to cut, stain, and mount specimens. For this purpose they will have furnished them both normal and diseased structures, with which they will be able to secure a cabinet of at least 100 specimens, which will be of great benefit when in practice. Reagents and everything, except cover-glasses and cabinet cases, provided. Fee \$12.

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### Extracts from the University Regulations with respect to the Courses of Lectures:—

- 1st. Each Professor shall deliver at least five Lectures during the week, except in Medical Jurisprudence and Botany, if extended through six months, in which case three Lectures a week will suffice.
- 2nd. Every Lecture shall be of one hour's duration.
- 3rd. Every Professor shall occasionally examine his class upon the subjects treated of in his preceding Lectures, and every such examination shall be considered as a Lecture.
- 4th. A roll of the names of the Students attending such class shall be called from time to time.



## IV.

## QUALIFICATIONS FOR THE DEGREE.

*The following are Extracts from the Regulations respecting the qualifications of Candidates for the Degree in Medicine:—*

No one entering after October 1st, 1884, will be admitted to the Degree of Doctor of Medicine and Master of Surgery, who shall not have attended Lectures for a period of at least four six months' sessions and one three months' summer session\* in this University, or some other University, College or School of Medicine, approved of by this University.

2nd. Candidates for Final Examination shall furnish Testimonials of attendance on the following branches of Medical Education, viz. :—

ANATOMY.	}	Of which Two Courses will be required of Six Months' duration.
PRACTICAL ANATOMY.		
PHYSIOLOGY.		
CHEMISTRY.		
MATERIA MEDICA AND THERAPEUTICS.		
PRINCIPLES AND PRACTICE OF SURGERY.		
MIDWIFERY AND DISEASES OF WOMEN AND CHILDREN.		
THEORY AND PRACTICE OF MEDICINE.		
CLINICAL MEDICINE.		
CLINICAL SURGERY.		
MEDICAL JURISPRUDENCE.	}	Of which One Course of Six Months, or Two Courses of Three Months will be required.
PRACTICAL CHEMISTRY.	}	Of which One Course will be required of Three Months' duration.
BOTANY OR ZOOLOGY.		
HYGIENE AND PUBLIC HEALTH.		
HISTOLOGY.	}	Ten Lectures and Twenty-five Demonstrations.
GENERAL PATHOLOGY.		Twenty-five Lectures.

*Provided, however, that Testimonials equivalent to, though not precisely the same as those above stated, may be presented and accepted.*

3rd. The Candidates must give proof by ticket of having attended during eighteen months the practice of the Montreal General Hospital, or of some other Hospital approved of by this University, and of having compounded medicines for six months.

\* To be taken after 3rd Winter Session.



4th. He must also give proof by ticket of having attended for at least six months the practice of the University or other Lying-in-Hospital approved of by this University, and of having attended at least six cases of labor.

5th. No one will be permitted to become a Candidate for examination who shall not have attended at least one Session of this University, and one full course of all the branches included in its curriculum.

6th. Courses of less length than the above will only be received for the time over which they have extended.

7th. Students, except by special permission of the Faculty, must pursue the subjects of Anatomy, Chemistry, Histology and Botany in their first session, and are advised to take Physiology in addition.

8th. Candidates who fail to pass in not more than two subjects of the first two years may be granted a supplemental examination at the beginning of the following session.

9th. Supplemental examinations will not be granted, except by special permission of the Medical Faculty, and on written application stating reasons.

10th. No candidate will be permitted to proceed with the work of the final year until he has passed *all* the subjects comprised in the Primary examination.

11th. Candidates who fail to pass in a subject of which two courses are required, may, at the discretion of the Faculty, be required to attend a third course, and furnish a certificate of attendance thereon.

A course in Practical Anatomy will be accepted as equivalent to a third course of lectures in General and Descriptive Anatomy.

12th. The requirements for the summer session, when as at present taken after the third winter session, shall be :—

(a.) Daily Hospital attendance ;

(b.) Maternity attendance ; and

(c.) Any two weekly clinics in addition to the clinics on General Medicine and Surgery.

13th. Every Candidate for the Degree must, on or before the first day of March, present to the Registrar of the Medical Faculty testimonials of his qualifications, entitling him to an examination, and must at the same time deliver to the Registrar of the Faculty the following Certificate :—

MONTREAL, ——— 18—

I, the undersigned, being desirous of obtaining the Degree of Doctor of Medicine and Master of Surgery, do hereby declare that I have attained the age of twenty-one years, or (if the case be otherwise), that I shall have attained the age of twenty-one years before the next graduation day, and that I am not (or shall not be at that time) under articles as a pupil or apprentice to any Physician, Surgeon, or Apothecary.

(Signed),

A.B.

14th. The trials to be undergone by the Candidate shall be such as are referred to under Section V.



15th. The following Oath or affirmation will be exacted from the Candidate before receiving his degree :—

SPONSIA ACADEMICA.

In Facultate Medicinæ Universitatis.

Ego, A—— B——, Doctoratus in Arte Medica, titulo jam donandus, sancto coram Deo cordium scrutatore, spondeo;—me in omnibus grati animi officiis erga hanc Universitatem, ad extremum vitæ halitum, perseveraturum; tum porro artem medicam caute, caste, et probe exercitaturum; et quoad in me est, omnia ad ægrotorum corporum salutem conducentia, cum fide procuraturum; quæ denique, inter medendum, visa vel audita silere conveniat, non sine gravi causa vulgaturum. Ita præsens mihi spondenti adsit Numen.

16th. The fee for the Degree of Doctor of Medicine and Master of Surgery shall be thirty dollars, to be paid by the successful candidate immediately after examination.

V.

EXAMINATIONS.

Weekly examinations are held to test the progress of the Student; and in addition two or three written examinations are given throughout the Session.

The examinations at the close of each Session are arranged as follows :—

First Year.

*Pass Examination* in BOTANY and HISTOLOGY.

*Sessional Examination* in ANATOMY, CHEMISTRY, and PHYSIOLOGY.

A maximum of one hundred marks will be allowed for the Sessional Examination in each subject, which marks shall be reckoned in the ranking of the candidate after the examination of the following year.

Second Year.

*Pass Examination* in ANATOMY, CHEMISTRY, PRACTICAL CHEMISTRY and PHYSIOLOGY.

*Sessional Examination* in PHARMACOLOGY and THERAPEUTICS.

One hundred marks will be allowed for the Sessional Examination, which marks shall be reckoned in the ranking of the candidate after the examination of the following year.



**Third Year.**

*Pass Examination* in PHARMACOLOGY and THERAPEUTICS, MEDICAL JURISPRUDENCE, HYGIENE and PATHOLOGY.

**Fourth Year.**

*Pass Examination* in MEDICINE, SURGERY, OBSTETRICS, CLINICAL MEDICINE, CLINICAL SURGERY.

By means of the above arrangement a certain definite amount of work must be accomplished in each year, and an equitable division is made between the Primary and Final branches.

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**VI.****MEDALS AND PRIZES.**

1st. The Holmes' Gold Medal, awarded to the Student of the graduating class who receives the highest aggregate number of marks for the best examinations, written and oral, in both Primary and Final branches.

The Student who gains the Holmes' Medal has the option of exchanging it for a Bronze Medal, and the money equivalent of the Gold Medal.

2nd. A Prize in Books awarded for the best examination, written and oral, in the Final branches. The gold medallist is not permitted to compete for this prize.

3rd. A Prize in Books awarded for the best examination, written and oral, in the Primary branches.

4th. The Sutherland Gold Medal, awarded for the best examination in Theoretical and Practical Chemistry, together with creditable examination in the Primary branches.



5th. A Prize in Books for the best examination in Practical Anatomy.

6th. Prizes in Botany.

A Prize in Books for the best examination.

7th. The Clemesha Prize in Clinical Therapeutics.

## VII.

### FEES.

*Distributed according to years, the Class Fees are as follows:—*

#### First Year.

Anatomy.....	\$12
Physiology.....	12
Histology.....	6
Chemistry.....	12
Practical Anatomy.....	12
Botany.....	5
Dissecting Material.....	5
Enregistration.....	5
Total.....	\$69

#### Second Year.

Anatomy.....	\$12
Practical Anatomy.....	12
Physiology.....	12
Chemistry.....	12
Practical Chemistry.....	12
Chemical Reagents.....	3
Materia Medica.....	12
Practical Physiology.....	6
Hygiene.....	6
Dissecting Material.....	5
Enregistration.....	5
Total.....	\$97

#### Third Year.

Medicine.....	\$12
Materia Medica.....	12
Clinical Medicine.....	12
Surgery.....	12
Clinical Surgery.....	12



Midwifery and Gynæcology.....	12
Medical Jurisprudence.....	10
Pathology.....	10
Enregistration.....	5
Total.....	<u>\$97</u>

#### Fourth Year.

Medicine.....	\$12
Surgery.....	12
Clinical Medicine.....	12
Clinical Surgery.....	12
Midwifery and Gynæcology.....	12
Enregistration.....	5
Total.....	<u>\$65</u>

#### HOSPITAL FEES.

Montreal General Hospital, Perpetual Ticket.....	\$20
Montreal Maternity.....	8
Total.....	<u>\$28</u>
Graduation Fee.....	\$30
Matriculation Fee, payable only if the Student takes the University Matriculation.....	5
Total Collegiate and Hospital expenses, spread over four years, about.....	\$416.00

*All fees are payable in advance, to the Registrar, and except by permission of the Faculty will not be received later than 1st November.*

*It is suggested to parents or guardians of students that the fees be transmitted direct by cheque or P. O. Order, to the Registrar, who will furnish official receipts.*

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The total Collegiate and Hospital fees (graduation and Montreal General Hospital fees not included) for all students entering on and after the 1st of October, 1890, will be \$400. This sum is to be paid in four annual instalments of \$100 each. The above sum of \$400 represents the tuition for four winter and one summer session, and if the student elects to attend the two other summer sessions of his course, he may do so without further payment.



## VIII.

## TEXT BOOKS.

*(Prices current in Montreal.)*

ANATOMY.—Gray, \$6 ; Wilson, \$4 ; Quain (Eng. Ed.) \$9.75.

PRACTICAL ANATOMY.—Heath's Dissector, \$4.50 ; Holden's Dissector, \$5.00 ; and Landmark's, \$1.00 ; Ellis' Demonstrations.

PHYSICS.—Balfour Stewart, \$1.35.

INORGANIC CHEMISTRY.—Millar, \$1.00 ; Wurtz's Elementary Chemistry, \$2.50.

ORGANIC CHEMISTRY.—Armstrong, \$1.00.

PRACTICAL CHEMISTRY.—Odling, \$1.75.

PHARMACOLOGY and THERAPEUTICS.—Wood, \$6.00 ; Lauder Brunton, \$6.00 ; Whitla, 3.50 ; and Bruce, \$1.50.

PHYSIOLOGY.—Huxley's *Elementary Lessons*, \$1.35 ; Foster, \$3.25 ; Prof. Mills' Text-book of Animal Physiology (in the press), and Outlines of Lectures, \$1.00.

PATHOLOGY.—Orth's Diagnosis in Pathology, \$3.50 ; Payne, \$3.50.

HISTOLOGY.—Klein's Elements, \$1.50 ; Schäfer's Essentials of Histology, \$2.25.

SURGERY.—Holmes' Surgery (Eng. Ed.) \$9.00 ; Erichsen, \$9.00 ; Druitt, \$4.25 ; Bryant, \$6.50 ; Treves, \$6.00.

PRACTICE OF MEDICINE.—Flint, \$5.50 ; Roberts, \$5.00 ; Bristowe, \$5.00 ; DaCosta, \$6.00 ; Fagge, \$10.00 ; Quain's Dict.

FOR REFERENCE.—Pepper's System of Medicine.

CLINICAL MEDICINE.—Finlayson's Clinical Manual, \$2.60 ; Flint on Auscultation and Percussion, \$1.75 ; and Loomis on Physical Diagnosis, \$3.00.

MEDICAL JURISPRUDENCE.—Husband, \$3.25 ; Guy and Ferrier, \$3.75 ; Reese, \$3.00.



MIDWIFERY.—Lusk, \$5.00; Galabin, \$3.00.

GYNÆCOLOGY.—Edis, \$3.00; Goodell's Lessons, \$4.00; Hart and Barbour's Manual, \$7.50; Thorburn, \$7.50; Skeene.

HYGIENE.—Parks, \$5.50; Wilson, \$2.75.

BOTANY.—Gray's Text Book of Histology and Physiology, \$2.25.

ZOOLOGY.—Sir William Dawson's Handbook of Canadian Zoology, \$1.25.

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## IX.

### MUSEUM.

For the past fifty years, the rich Pathological Material furnished by the Montreal General Hospital has been collected here. The Faculty are also greatly indebted to many medical men throughout Canada and different parts of the world for important contributions to the Museum.

During the past few years, numerous and extremely important additions have been made to the Medical Museum.

It is particularly rich in specimens of Aneurisms. In addition to containing a large number of the more common varieties of these formations, there are specimens of such rare conditions as Aneurism of the Hepatic and Superior Mesenteric Arteries, Traumatic Aneurism of the Vertebral, together with several of the cerebral and pulmonary arteries. The most important collection probably in existence of hearts affected with "Malignant Endocarditis" is also found. The Faculty are indebted to Prof. Osler, late of this University, for this collection.

The Museum contains also a very large collection of different forms of calculi. The Faculty are mainly indebted to Prof. Fenwick for this collection.

During the past two years, Mr. Bailly, osteologist and articulator (lately with Tramond of Paris), has been engaged in arranging and mounting the very large number of specimens of disease and injuries of bones which have been accumulating for years. In this collection are to be found examples of fractures and dislocations of the spine, osteoporosis, congenital dislocation of the hip, fracture of the astragalus, multiple exostosis, &c., &c.



### Obstetrical Department of the Museum.

Besides the ordinary pathological preparations, dry and moist, usually found in Museums, this department contains a complete set of models of deformed pelves, a series of preparations in wax, illustrating the normal relations of the pelvic organs, the development of the Uterus and its contents during pregnancy, various abnormalities, twin pregnancy, foetal circulation &c., a series of colored casts of frozen sections, Tarnier's artificial pelvis, Budin's bronze mechanical pelvis, models of obstetrical instruments, &c.

Additions are being constantly made, and ere long the department will possess a complete collection of models, casts, preparations and apparatus for the practical teaching and illustration of Obstetrics.

### Anatomical Museum.

In addition of the already large collection of normal and abnormal osteology, comparative and human, skeletons of various classes of animals, moist preparations and frozen sections, the following preparations have been recently added to the Museum:—

(1) A series of articulated skeletons of fore and hind limbs of the various domestic animals prepared by the articulator Mr. Bailly.

(2) Numerous moist preparations presented by the Professor of Anatomy.

(3) A complete set of Steger's beautiful colored casts taken from the celebrated frozen sections of Professors His and Braune of Leipzig. These preparations have been placed in the Museum so that they can be constantly consulted by the Students.

(4) (a) A complete set of Steger's brain sections.

(b) Set of hardened brains with the various lobes, convolutions, ganglia, &c., in different colors.

(c) Models of the cerebro-spinal and sympathetic nervous systems.

(d) A set of Prof. D. J. Cunningham's beautiful casts of the Brain in situ, showing the relations of convolutions to the skull.

(5) (a) A set of preparations showing the anomaly of vessels entering the kidneys.

(b) A number of rare anomalies of the aorta and its branches.

(c) A series of preparations showing the shoulder girdle in various animals.



## X.

**LIBRARY.**

The Library of the Medical Faculty now comprises upwards of twelve thousand volumes, the largest special library connected with any medical school on this continent.

The valuable library of the late Dr. Robert Palmer Howard has been donated to the Medical Faculty. It consists of several thousand volumes, including a very complete collection of works on Diseases of the Chest.

The standard text-books and works of reference, together with complete files of the leading periodicals, are on the shelves. Students may obtain books on making a deposit of \$5, which is refunded on returning the volumes.

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## XI.

**MCGILL MEDICAL SOCIETY.**

This Society, composed of enregistered Students of the Faculty meets once a week during the Summer Session, and fortnightly during the Winter, for the reading of papers and the discussion of medical subjects.

A reading room has been established in connection with the Society, in which the leading English and American Medical Journals are on file.

The leading daily and weekly newspapers of the Dominion are also kept on file.

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## XII.

**COST OF LIVING, &c.**

This will, of course, vary with the tastes and habits of the Student, but the necessary expenses need not exceed those in smaller towns. Good board may be obtained from \$15 to \$20 per month. A list of boarding-houses is prepared annually by the Secretary of the University, and may be procured from the Janitor at the Medical College.



## XIII.

**LICENSED BOARDING-HOUSES.**

1. All Students under 21 years of age, not residing with parents or guardians, shall reside in licensed boarding-houses, unless they produce written authority from parents or guardians to reside elsewhere.

2. Persons applying for a license to keep boarding-houses shall produce evidence satisfactory to the Principal as to their character and fitness, and the suitability of the house for the health and comfort of the Students. They shall also supply him with a statement of charges.

3. The keeper of every lodging-house shall deposit with the Secretary of the University, on or before September 10th, in every year, a certificate as to the sanitary condition of the house from some competent officer or sanitary engineer recognized by the Principal.

4. A list of boarding-houses licensed under the above regulations shall be kept in the office of the Secretary, and shall be accessible to all members of the University and intending students.

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XIV.**HOSPITALS.****Montreal General Hospital.**

The Montreal General Hospital is the most extensive clinical field in the Dominion. A much larger number of in-door and out-door patients receive treatment there than in any other Canadian Hospital. Last year's report shows that 2,545 Medical and Surgical cases were treated in the wards, and the great proportion of these were acute cases, as may be gathered from the fact that the average duration of residence was only 23.6 days.

The large number of out-door patients that are treated in the Hospital—averaging from eighty to ninety daily—supply illustrations of most of the diseases of infants and children, of very many of the eye and skin, and of those chronic and ill-defined ailments which, as they do not require admission to the wards of a hospital, would not otherwise come under the observation of the Student.

The large number of patients affected with diseases of the eye and



ear, now attending the out-door department, will afford Students ample opportunity to become familiar with all the ordinary affections of those organs, and to make themselves proficient in the use of the ophthalmoscope, and it is hoped that every student will thus seek to gain a practical knowledge of this important branch of Medicine and Surgery. Operations are performed on the eye by the Ophthalmic Surgeon after the out-door patients have been seen, and Students are invited to attend the same, and, as far as practicable, to keep such cases under observation so long as they remain in the Hospital.

There are now special departments in the Hospital for Gynæcology and Laryngology, presided over by Specialists in these branches. Students are thus enabled to acquire special technical knowledge under skilled direction. The plan of teaching practical gynæcology for the past five years with marked success has been the limitation of the number of Students to two or three, who, in rotation, assist at the examinations, and receive instruction in the diagnosis and treatment of uterine diseases and the use of gynæcological instruments.

Recently two additional special clinics have been instituted in connection with the Out-door Department : one for diseases of children and the other for the diseases of the nervous system.

CLINICAL CLERKS in both medical and surgical wards are appointed every three months, and each one during his term of service conducts, under the immediate directions of the Clinical Professors, the reporting of all cases in the ward allotted him. The holding of one of these offices is found to be of the greatest possible advantage to Students, as affording a true *practical* training for his future professional life. They will be awarded on application at the end of each Session to final Students of that year, in order of their standing in the primary examination.

DRESSERS are also appointed to the Surgical wards and to the Out-door Department. For these appointments, application is to be made to the Professor of Clinical Surgery, and to the Assistant Surgeons.

The Operating Room (used also for a lecture room) is so constructed as to enable the Students to obtain a good view of the operations.



**Montreal Dispensary.**

ST. ANTOINE STREET.

Over 12,000 patients yearly are treated at this Institution. The cases are of great variety, comprising a large number of pulmonary affections and children's diseases. Minor operations are of daily occurrence, and excellent practice is afforded in the application of splints and bandages. The attending Physicians furnish Students with all possible facilities. The hours of attendance are from 12 to 2 daily during the winter session and from 4 to 6 p.m. during the summer session.

**The Montreal Maternity.**

The Faculty have great pleasure in announcing that the Corporation of the Montreal Maternity have recently made very important additions to their building, and have still further improvements in contemplation. Students will therefore have greatly increased facilities for obtaining a practical knowledge of obstetrics. The institution is under the direct supervision of the Professor of Midwifery, who devotes much time and attention to individual instruction. Students who have attended one course of lectures are furnished with cases in rotation, which they are required to report and attend till convalescence. They are advised to take their clinical midwifery as much as possible during the summer session. Though only six cases are required to qualify for the license of the Ontario and Quebec Medical Boards, twenty cases are demanded by the licensing bodies of Great Britain. A sufficient number of cases will be assigned to students who contemplate presenting themselves for British qualifications. Two resident accoucheurs are appointed yearly from the graduating class to hold office for a period of six months each. By an arrangement with the authorities of the Montreal General Hospital one of the residents acts as Clinical assistant to the Gynæcologist for a period of six months, a change which has greatly enhanced the value of this appointment.

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 XV.
**STUDENTS' APPOINTMENTS.**

General Hospital—Five Resident Medical Officers.

Clinical Clerk, Gynæcology.

“ “ Laryngology.



Clinical Clerk, Diseases of Children.

“ “ Dermatology.

“ “ Diseases of Nervous System.

University Maternity.—Two Resident Medical Officers.

Out-door Dressers.

Dressers in Eye and Ear Department.

Surgical Dressers (In-door).

Medical Clinical Clerks.

Post-mortem Clerks.

Student Demonstrators of Anatomy, 4 third-year Students.

Prosectors to Chair of Anatomy.

Assistants in Practical Histology Course, 2.

Assistants in Practical Physiology Course, 4.

Assistants in Practical Chemistry, 2.

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## XV.

### RULES FOR STUDENTS.

1. In the case of disorderly conduct, any Student may, at the discretion of the Professor, be required to leave the Class-room. Persistence in any offence against discipline after admonition by the Professor shall be reported to the Dean of the Faculty. The Dean may, at his discretion, reprimand the Student, or refer the matter to the Faculty at its next meeting, and may in the interval suspend from classes.

2. Absence from any number of lectures can only be excused by necessity or duty, of which proof must be given, when called for, to the Faculty. The number of times of absence, from necessity or duty, that shall disqualify for the keeping of a Session, shall in each case be determined by the Faculty.

3. While in the College, Students are expected to conduct themselves in the same orderly manner as in the Class-room.

4. When Students are brought before the Faculty under the above rules, the Faculty may reprimand, impose fines, disqualify from competing for prizes and honors, suspend from Classes, or report to the Corporation for expulsion.



## XVI.

## PAST SESSION.

The total number of students enregistered in the Medical Faculty during the past session was 233, of whom there were, from—

Ontario .....	106	P. E. Island.....	10
Quebec.....	57	Newfoundland .....	2
New Brunswick.....	19	Manitoba.....	4
Nova Scotia.....	23	British Columbia.....	1
United States.....	10	West Indies .....	1

The following gentlemen have passed their Primary Examination, which comprises the following subjects :—Anatomy, Practical Anatomy, Chemistry, Practical Chemistry, Physiology, Histology and Botany :—

Alexander, W. W.	Hamilton, W. F.	McCrimmon, A. A.
Ault, C. A.	Harris, N. M.	McMillan, J. H.
Beers, A. H.	Harrison, J. D.	McGuire, J. C.
Bennie, R.	Hattie, W. H.	O'Connor, C.
Booth, J. S.	Hayes, John	Oliver A. J.
Bowie, R. A.	Hubert, P. T.	Parke, G. H.
Brown, W. A.	Jenkins, W. E.	Patton, H. M.
Busby, J.	Keir, E. J.	Robertson, E. A.
Calkin, B. H.	Kelly, C. I.	Robertson, T. F.
Clemesha, J. C.	Kemp, H. D.	Smith, C. F.
Dewar, Alex.	Lambert, E. M.	Sparling, A. J.
Farwell, W. A.	Love, A.	Speir, J. R.
Fletcher, R. W.	Lovering, W. T.	Troy, W.
Gibson, R. J.	Mader, A. I.	Tunstall, A.
Gorrell, A. S.	Martin, M. Mc	Webster, R. E.
Grafton, E. A.	Morrow, W. S.	Williamson, H. M.
Greene, T. J.	Mulligan, E. A.	Williamson, W. P.
	Woodruff, E. H.	

The following gentlemen, 38. in number, have fulfilled all the requirements to entitle them to the degree of M.D., C.M. from the University. In addition to the Primary subjects mentioned, they have passed a satisfactory examination, both written and oral, on the following subjects: Principles and Practice of Surgery, Theory and Practice of Medicine, Obstetrics and Diseases of Infancy, Gynæcology, Pharmacology and Therapeutics, Medical Jurisprudence, Pathology and Hygiene,—and also Clinical Examinations in Medicine and Surgery conducted at the bedside in the Hospital :—

Aylen, W. W.....	Aylmer, Que.
Booth, J. S.....	Montreal, Que.
Brown, G. A.....	Charlottetown, P.E.I.
Campbell, G. G., B.Sc.....	Truro, N.S.



Creasor, J. A., B.A.	Owen Sound, Ont.
Delaney, W. J.	Peterboro', Ont.
England, W. S.	Dunham, Que.
Esson, F. G.	Halifax, N.S.
Garrow, A. E.	Ottawa, Ont.
Gemmell, E. W.	Almonte, Ont.
Holmes, A. D.	Chatham, Ont.
Hopkins, F. A.	Cookshire, Que.
Hubert, P. T.	Harbor Breton, Nfld.
Irwin, W. T.	Pembroke, Ont.
Kerr, N.	Holyrood, Ont.
Low, D.	Palmerston, Ont.
Martin, J. M.	Brown's Creek, P.E.I.
Mathieson, C. S.	Harrington, P.E.I.
Morehouse, O. E.	Gibson, N.B.
Mowat, M. M.	Williamstown, Ont.
Muirhead, D. A.	Carleton Place, Ont.
Murray, D. A.	Black Meadows, N.S.
McCurdy, T.	Orms town, Que.
McDonald, A.	Iroquois, Ont.
McDonald, H. N.	Laggan, Ont.
McDonald, G.	Renfrew, Ont.
McDonald, P. A.	Alexandria, Ont.
McEwen, H.	Carleton Place, Ont.
McIntosh, D. H.	Carleton Place, Ont.
McKercher, H.	Stittsville, Ont.
McKinnon, T. H.	Lockport, N.S.
McLellan, A. A.	Indian River, P.E.I.
Philp, W. S.	Montreal, Que.
Shanks, A. L.	Huntingdon, Que.
Vipond, A. E.	Montreal, Que.
Wheeler, C. L., B.A.	Montreal, Que.
Whyte, J. J.	Lancaster, Ont.
Wylde, C. F.	Halifax, N.S.

The following have passed in Physiology :—

Carlaw, C. M.	Holden, D. B.	Smith, T. H.
Clark, J.	Moore, J. M.	Smith, A. G.
Fulton, J. A.	Neil, J.	Watson, N. M.
	McCann, E. A.	

The following have passed in Chemistry :—

Carlaw, C. M.	Martin, C.	Smith, T. H.
Clark, J.	Neil, J.	Smith, A. G.
	Fulton, J. A.	



The following have passed in Anatomy :—

Clark, J.

Watson, N. M.

The following have passed in Practical Chemistry :—

Carlaw, C. M.

Moore, J. M.

Smith, T. H.

Holden, D. B.

McEown, F.

Smith, A. G.

Kent, H. V.

Neil, J.

Watson, N. M.

The following have passed in Pathology :—

Ault, C. A.

Jento, C. P.

McEown, F.

Addy, G. A.

Jenkins, W. E.

Noble, C. T.

Beers, A. H.

Kent, H. V.

MacKay, H. H.

Broderick, E. J.

Kee, D. N.

Oliver, A. J.

Bowes, E. J.

Irwin,

O'Connor, C.

Bissett, C. P.

Liddell, G. L.

Patton, H. M.

Burritt, C. H.

Lewin, A. A.

Ross, H. R.

Clarke, J. W.

Morphy, A. G.

Ross, J.

Corbin, F. G.

McKee, G. L.

Reid, J. T.

Coleman, A. H.

McLellan, A. C.

Robertson, W.

Ellis, T. H.

McKechnie, R. E.

Smith, W. D.

Evans, D. J.

Murray, M. W.

Telfer, W. J.

Gorrell, A. S.

Morris, O.

Thompson, F. E.

Hayes, John

McKinnon,

White, D. D.

Harris, N. M.

McDonald, M. S.

Williamson, H. M.

Hayes, Joseph

Mulligan, E. A.

Wilson, W. A.

Hamilton, H. D.

McManus, H. D.

Yorston, F. E.

Inksetter, W. E.

The following have passed in Medical Jurisprudence :—

Ault, C. A.

Hayes, John

McManus, H. D.

Addy, G. A. B.

Hayes, Joseph

McKechine, R. E.

Bissett, C. P.

Harris, N. M.

Noble, C. T.

Beers, A. H.

Inksetter, W. E.

O'Connor, C.

Berwick, R. A.

Jenkins, W. E.

Oliver, A. J.

Broderick, E. J.

Jento, C. P.

Patton, H. M.

Bowes, E. J.

Kee, D. N.

Ross, H. R.

Clark, J. W.

Kent, H. V.

Ross, James

Coleman, A. H.

Liddell, G. L.

Reid, J. T.

Clune, P. J.

Lewin, A. A.

Robertson, W.

Curtis, I. B.

Mulligan, E. A.

Smith, W. D.

Corbin, F. G.

Morphy, A. G.

Telfer, W. J.

Evans, D. J.

Murray, M. W.

Thompson, F. E.

Ellis, T. H.

MacDonald, M. S.

White, D. D.

Gorrell, A. S.

McLellan, A. C.

Williamson, H. M.

Hamilton, H. D.

McEwon, F.

Wilson, W. A.

Yorston, F. S.



The following have passed in Pharmacology and Therapeutics :—

Ault, C. A.	Inksetter, W. E.	McEown, F.
Addy, G. A.	Jento, C. P.	Noble, C. T.
Beers, A. H.	Jenkins, W. E.	MacKay, H. H.
Broderick, E. J.	Kent, H. V.	Oliver, A. J.
Bowes, E. J.	Kee, D. N.	O'Connor, C.
Bissett, C. P.	Liddell, G. L.	Patton, H. M.
Burritt, C. H.	Lewin, A. A.	Ross, H. R.
Clarke, J. W.	Morphy, A. G.	Ross, Jas.
Corbin, F. G.	McKee, G. L.	Reid, J. T.
Coleman, A. H.	McLellan, A. C.	Robertson, W.
Ellis, T. H.	McKechnie, R. E.	Smith, W. D.
Evans, D. J.	Murray, M. W.	Telfer, W. J.
Gorrell, A. S.	Morris, O.	Thompson, F. E.
Hayes, John	McKinnon,	White, D. D.
Harris, N. M.	McDonald, M. S.	Williamson, W. M.
Hayes, Joseph	Mulligan, E. A.	Wilson, W. A.
Hamilton, H. D.	McManus, H. D.	Yorston, F. S.

The following have passed in Histology :—

Akerley, A. W.	Halliday, V.	McKenty, J.
Ault, C. R.	Henderson, J.	McLeod, H. S.
Baker, M. F.	Hogg, D. H.	McKenzie, R. T.
Berwick, R. H.	Jameson, Thos.	McKinnon, A. I.
Berwick, G. A.	Jack DuVernet	McNally, H.
Boyce, B. F.	Joel, C. L.	McGowan, G.
Binmore, J. E.	Johnstone, A.	Outwater, S. W.
Bruce, D. A.	King, H. S.	Phelan, E. D.
Brown, F. W. A.	Lang, F. W.	Peake, J. P.
Bowen, G. A.	Langley, A.	Paterson, L.
Cannon, A.	Mair, A. W.	Ramsay, R. C.
Carmichael, H. B. W.	Massiah, W. B. H.	Scovil, W. T.
Coburn, A. D.	Martin, S. H.	Simpson, T. C.
Chipman, R. J.	Martin, C. F.	Stewart, J. A.
Chabot, J. L.	Meade, C.	Scott, D. F.
Day, A. R.	Meikle, W.	St. Louis, D.
Ellis, W.	Morris, F.	Taylor, N.
Graham, W. C. R.	Mylne, R. C.	Thompson, J.
Grant, H. A.	Millar, G. A.	Taplin, M. M.
Gorham, A.	Macauley, G.	Taylor, T. T.
Gibson, R. J.	Mackay, D. T.	Watson, J.
Glendenning, R. T.	McDonald, D.	Walsh, W. E.
Hayes, P. J.	McCann, E.	Wasson, H. J.
Hayman, M.	McGrant, J. A.	Walker, W. G.
	Yates, H. B.	



The following have passed in Botany :—

Ault, C. R.	Graham, W. C. R.	McLeod, H. S.
Berwick, R. H.	Grant, H. A.	McNally, H.
Berwick, G. A.	Halliday, V.	Meade, C.
Binmore, J. E.	Hayes, P. J.	Meikle, W. F.
Boyce, B. F.	Henderson, Jas.	Outwater, S. W.
Bowen, G. A.	Jameson, Thos.	Paterson, L.
Brousseau, J. H.	King, H. S.	Phelan, E. D.
Brown, F. W. A.	Lang, F. W.	Robinson, B. E.
Bruce, D. A.	Langley, A.	Stewart, J. A.
Carmichael, H. B. W.	Mair, A. W.	Taplin, M. M.
Chabot, J. L.	Mackay, D. T.	Taylor, N.
Chipman, R. J.	McKinnon, A. I.	Taylor, T. T.
Coburn, A. D.	Martin, S. H.	Thompson, J.
Day, A. R.	Massiah, W. B. H.	Walsh, D. N.
Ellis, W. L.	McGowan, J. H.	Wasson, H. J.
Fulton, J. A.	McKenty, J. E.	Walker, W. G.
Glendenning, R. T.	McLennan, D. A.	

#### MEDAL, PRIZES AND HONOURS.

THE HOLMES' GOLD MEDAL, FOR THE BEST EXAMINATION IN ALL THE BRANCHES COMPRISED IN THE MEDICAL CURRICULUM IS awarded to Alexander E. Garrow, of Ottawa, Ont.

THE PRIZE FOR THE BEST EXAMINATION IN THE FINAL BRANCHES is awarded to Hugh McKercher, of Stittsville, Ont.

THE PRIZE FOR THE BEST EXAMINATION IN THE PRIMARY BRANCHES is awarded to William Arthur Brown of Chesterville, Ont.

THE SUTHERLAND GOLD MEDAL is awarded to John Craig Clemesha, of Port Hope, Ont.

The following gentlemen, arranged in order of merit, deserve honourable mention :—

In the Priminary Branches — Hamilton, Morrow, Busby, Bowie, Clemesha, Spier, Farwell, Grafton, Kelly, Dewar, Robertson, T. F. Troy, Lambert, Williamson, W. P. McMillan and Alexander.

In the Final Branches — Campbell, McCurdy, Murray, Philp, England and Creasor.

#### PROFESSORS' PRIZES.

BOTANY.—W. B. Hallam Massiah, of Barbadoes, West Indies.

ANATOMY.—2nd year, W. A. Brown. Honourable Mention, T. F. Robertson. 1st year, James Henderson, of Warkworth, Ont.



## SUMMER SESSION.

1889.

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The Fourteenth Summer Session of the Faculty of Medicine will begin on the 9th of April, and continue twelve weeks.

The Classes are chiefly practical and demonstrative, and are designed to supplement and extend the teaching of the regular Winter Session.

The attention of Students of this University, who intend to present themselves for the examination for the degree of M.D. in 1890, is particularly directed to the regulations instituted in 1884, making the third summer session compulsory.

In future, the regular University lectures on *Hygiene* will be delivered only during the summer sessions.

Students from other schools are received on the same terms as, and have all the advantages of, regular students.

*The special advantages of attendance upon a Summer Session are:—*

(1) The benefit derived from the practical and demonstrative classes.

(2) Dresserships and Clinical Clerkships are more easily obtained at the Hospitals, and the student has more time at his disposal to follow up the cases.

(3) Cases of Midwifery are obtained in greater number at the Montreal Maternity.

(4) Systematic study can be carried on more effectively than at home.

(5) The regular courses on Hygiene and Practical Chemistry can be attended.

The advantages offered by the City of Montreal for the practical study of Medicine and Surgery are unsurpassed in the Dominion.

In the wards of the General Hospital there is always—and more particularly in the summer months, when navigation is opened—a large collection of interesting medical and surgical cases. In the Out-door Department there is a daily attendance of between 90 and



100 patients, which affords excellent opportunities for instruction in general medical and surgical practice. In addition there are special clinics in the following different departments: 1. Eye and ear; 2. Nose and throat; 3. Diseases of children; 4. Diseases of the nervous system; 5. Diseases of women.

At the Montreal Dispensary, in addition to general Medical instruction, there is a Gynæcological Clinic.

*The Faculty has much pleasure in announcing the following prospectus:—*

## I.—CLINICAL INSTRUCTION,

*Which will comprise:—*

### A.—Bedside Instruction—

SURGERY.....	{ Dr. Fenwick and Dr. Shepherd.
MEDICINE.....	{ Dr. Wilkins and Dr. R. L. MacDonnell.

### B.—Weekly Clinics, in the Theatre of the General Hospital, on—

1. GENERAL SURGERY.....	{ Drs. Fenwick, Roddick, Shepherd and Bell.
2. GENERAL MEDICINE.....	{ Drs. Ross, Wilkins, and R. L. MacDonnell.
3. GYNÆCOLOGY.....	Drs. Gardner & Alloway
4. DISEASES OF THE EYE AND EAR.....	Dr. Buller.
5. DISEASES OF THE NOSE AND THROAT.....	Dr. Major.
6. DISEASES OF CHILDREN.....	Dr. Blackader.
7. VENEREAL DISEASES.....	Dr. Bell.
8. DISEASES OF THE NERVOUS SYSTEM.....	Dr. Stewart.
9. DISEASES OF THE SKIN.....	Dr. Shepherd.
10. ORTHOPÆDICS.....	Dr. Roddick.

### D.—Out-Patient Clinics—1. At the General Hospital—

a. GENERAL MEDICINE AND SURGERY...	{ Medical and Surgical Staff.
b. *GYNÆCOLOGY.....	Drs. Gardner & Alloway
c. *DISEASES OF EYE AND EAR.....	Dr. Buller.
d. *DISEASES OF THROAT AND NOSE.....	Dr. Major.
e. DISEASES OF CHILDREN.....	Dr. Blackader.
f. DISEASES OF THE NERVOUS SYSTEM....	Dr. Stewart.

### 2 At the Montreal Dispensary—

A. MEDICINE.....	Drs. Stewart & Finley.
B. GYNÆCOLOGY.....	Dr. Alloway.

### E.—Clinical Instruction in Obstetrics—

*At the Montreal Maternity—*

1. THE MANAGEMENT OF CASES OF LABOR.....	{ Dr. Cameron.
2. THE AFTER CARE OF CASES.....	

\* A limited number of students will attend in rotation.



## II.—PRACTICAL CLASSES.

- |   |                |
|---|----------------|
| †2. <b>Practical Chemistry.</b> —Same as, and may be taken in lieu of, the Winter Course. Fee, \$15.00.....   | } Dr. Ruttan.  |
| †3. <b>Operative Surgery.</b> —A complete course of operations on the cadaver, including Amputations, Excisions, Ligations, &c. The students perform the operations in rotation. Fee, \$5.00.....                                     |                |
| 4. <b>Obstetrical Presentations and Operations.</b> —A series of practical demonstrations on the cadaver or phantom .....   | } Dr. Cameron. |
| 5. <b>Deformed Pelves.</b> —A series of demonstrations illustrating the influence of deformity of the Pelvis upon Labor.....  |                |
| †6. <b>Clinical Microscopy.</b> —Microscopes, Reagents and Material provided .....  | } Dr. Wilkins. |
| †7. <b>Operative Ophthalmology.</b> —This will consist in a series of demonstrations on the methods of performing the usual eye operations. Fee, \$2.00.....  |                |
| 8. <b>Anomalies of Refraction and Accommodation.</b> —A course of four demonstrations, giving practical illustrations of the methods of recognising and treating these conditions.....  | } Dr. Buller.  |
| 9. <b>Practical Ophthalmoscopy.</b> —To consist of a series of demonstrations and practical exercises in the use of the Ophthalmoscope.....   |                |
| 10. <b>Laryngoscopy and Rhinoscopy.</b> —A course of demonstrations and exercises in the use of the Laryngoscope and Rhinoscope.....  | } Dr. Major.   |
| 11. <b>Electro-Therapeutics.</b> —Students will be practically trained in the method of using the different forms of electricity in the treatment of disease .....  |                |
| 12. <b>Applied Anatomy—Medical and Surgical.</b> —Surface-marking, Brain and Spinal Cord, Larynx, Thorax, Abdomen, Genito-Urinary Organs, Surgical Spaces.....  | } Dr. Finley.  |
| 13. <b>Minor Surgery.</b> —Including Bandaging, Application of Splints, Hæmostatics, Catheterism, Artificial Respiration, &c. ....  |                |
| 14. <b>Clinical Chemistry.</b> —A course of twelve demonstrations, designed to familiarise students with the more recent and approved methods of examining chemically, abnormal secretions, morbid products, &c., at the bedside..... | } Dr. Ruttan.  |
|   |                |



15. **Morbid Anatomy.**—Consisting of systematic demonstrations upon post-mortem methods and pathological anatomy in the section-room of the General Hospital. Students will make the post-mortems in rotation, and receive instruction in the method of performing them, and keeping record of their observations..... } **Drs. Johnston and Finley.**
- †16. **Practical Materia Medica.**—A fee sufficient to cover the cost of material will be charged for this course..... } **Dr. Stewart.**
17. **Heredity.**—A course of 8—12 lectures on the Laws of Heredity in Health and Disease..... } **Dr. Mills.**
18. **A Practical Course** in the qualitative and quantitative estimation of the more important constituents of the urine, and the rapid detection of the common poisons. A small fee will be charged to cover cost of material. }
19. **Clinical Minor Surgery**..... } **Dr. R. J. B. Howard.**



## SESSION 1888-89.

## STUDENTS IN MEDICINE.

- Adams, W. L., San Francisco, U. S.  
 Addy, G. A. B., St. John, N.B.  
 Akerly, A. W. K., Fredericton, N.B.  
 Alexander, W. W., Stanhope, P.E.I.  
 Anderson, N., Montreal, Q.  
 Ault, C. A., Oshkosh, Wis.  
 Ault, C. R., Tilsonburg, Ont.  
 Aylen, W. W., Aylmer, Q.  
 Bayne, C. W., Merivale, O.  
 Beaman, W. H., Montreal, Q.  
 Beers, A. H., Montreal, Q.  
 Bennie, R., Riverfield, Q.  
 Berwick, G. A., Farnham, Q.  
 Berwick, R. H., Farnham, Q.  
 Binmore, J. E., Montreal, Q.  
 Bissett, C. P., River Bourgeois, N.S.  
 Booth, J. S., Montreal, Q.  
 Bowen, G. A., Compton, Q.  
 Bowes, E. J., Ottawa, O.  
 Bowie, R. A., Brockville, O.  
 Boyce, B. F., Norham, O.  
 Broderick, E. J., Fredericton, N.B.  
 Brouse, J. E., Brockville, O.  
 Brosseau, J. A., Ottawa, O.  
 Brown, F. W. A., Brockville, O.  
 Brown, W. A., Chesterville, O.  
 Brown, G. A., Charlottetown, P.E.I.  
 Bruce, D. A., Grand View, U.S.  
 Burnette, J. T., Cornwall.  
 Burritt, C. H., Mitchell, O.  
 Busby, J., Pontviews, O.  
 Calkin, B. H., Kentville, N.S.  
 Campbell, G. G., Truro, N.S.  
 Corbin, F. G., Bedford, N.S.  
 Carlaw, C. M., Warkworth, O.  
 Carmichael, H. B. W., Montreal, Q.  
 Chabot, J. L., Ottawa, O.  
 Chipman, R. J., Halifax, N.S.  
 Clark, J., Troy, O.  
 Clarke, J. W., Tatamagouche, N.S.  
 Clemesha, J. C., Port Hope, O.  
 Clune, P. J., Warkworth, O.  
 Coburn, A. D., Keswick Bridge, N.S.  
 Coleman, A. H., Belleville, O.  
 Connolly, J. A., Lennoxville, Q.  
 Cooper, W. A., Ormstown, Q.  
 Creasor, J. A., Owen Sound, O.  
 Curtis, I. E., Hartland, N.B.  
 Day, A. R., Guelph, O.  
 Delaney, W. J., Peterboro', O.  
 Delphey, E. V., Erie, Mich.  
 Dewar, A., Ormound, O.  
 Dickson, H. W., Pembroke, O.  
 Ellis, T. H., Pembroke, O.  
 Ellis, W. L., St. Johns, N.B.  
 England, W. S., Dunham, Q.  
 Esson, A. C., Halifax, N.S.  
 Esson, F. G., Halifax, N.S.  
 Evans, D. J., Montreal, Q.  
 Farwell, W. A., Lennoxville, Q.  
 Fletcher, R. W., Londonderry, N.S.  
 Fulton, J. A., Franklin Centre, O.  
 Garrow, A. E., Ottawa, O.  
 Gemmill, E. W., Almonte, Q.  
 Gibson, R. J., Clinton, O.  
 Glendenning, R. F., Truennanville, N.S.  
 Grafton, E. A., Montreal, Q.  
 Graham, W. C. K., Prescott, O.  
 Grant, H. A., Pembroke, O.  
 Gorrell, A. S., Brockville, O.  
 Green, T. J., Appleton, O.  
 Halliday, V., Peterboro', O.  
 Hamilton, H. D., Montreal, Q.  
 Hamilton, W. F., Sackville, N.B.  
 Harris, N. M., Ormstown, Q.  
 Harrison, J. D., Fredericton, N.B.  
 Hattie, W. H., New Glasgow, N.S.  
 Hayes, J., Nelson, N.B.  
 Hayes, Jno., Richmond, Q.  
 Hayes, P. J., Montreal, Q.  
 Henderson, J., Warkworth, O.  
 Hilton, W. L., Montreal, Q.  
 Hogg, D. H., Stratford, Ont.  
 Holden, D. B., Montreal, Q.  
 Holmes, A. D., Chatham, O.  
 Hopkins, F. A., Cookshire, Q.  
 Hubert, P. T., Harbor Breton, Nfld.  
 Hughes, J. M., Chesterville, O.  
 Hume, G. L., Leeds, O.  
 Ibbotson, F. A., Montreal, Q.  
 Inksetter, W. E., Copetown, O.  
 Iaternoscia, A., Montreal, Q.  
 Irwin, H., Pembroke, O.  
 Irwin, W. T., Pembroke, O.  
 Irving, E., Pembroke, O.  
 Jack, M. G. DeV., Fredericton, N.B.  
 Jamieson, Thos., Buffalo, N.Y.  
 Jayet, A. A., Montreal, Q.  
 Jenkins, H. E., Conquerell, N.S.  
 Jento, C. P., Melville, O.  
 Johnson, Albert, ———, Ont.  
 Jones, W. A., Clandebye, O.  
 Kee, D. N., Fordyce, O.  
 Keir, E. J., Princeton, P.E.I.  
 Kelley, C. I., West Flamborough, O.  
 Kemp, H. D., Montreal, Q.



Kent, H. V., Truro, N.S.  
 Kerr, N., Holyrood, O.  
 Kerr, W. J., Montreal, Q.  
 King, H. S., Sarnia, O.

Labelle, M. J., Lewis, N.Y.  
 Lambert, E. M., Ottawa, O.  
 Lang, F. W., St. Marys, O.  
 Langley, A. F., Victoria, B.C.  
 Lewin, A. A., St. John, N.B.  
 Liddell, G. L., Cornwall, O.  
 Love, A., New Glasgow, O.  
 Lovering, W. T., Northfield, Minn.  
 Low, D., Palmerston, O.

Mader, A. I., New Canada, N.S.  
 Mair, A. W., Clinton, O.  
 Martin, C. F., Montreal, Q.  
 Martin, M. McL., Brown's Creek, P.E.I.  
 Martin, J. M., Brown's Creek, P.E.I.  
 Martin, S. H., Savage Mines, Que.  
 Massiah, W. B. H., Barbadoes, W.I.  
 Mathieson, C. S., Harrington, P.E.I.  
 Mead, Chas., Morrisburg, Ont.  
 Meikle, W. F., Morrisburg, O.  
 Mill, J., Aylmer, Q.  
 Morehouse, O. E., Gibson, N.B.  
 Moore, J. M., Belleville, O.  
 Morphy, A. G., London, O.  
 Morris, O., Pembroke, O.  
 Morris, F., Fareville, N.B.  
 Morrow, W. S., Halifax, N.S.  
 Moss, J. M., Carleton Place, O.  
 Mowat, M. M., Williamstown, O.  
 Muirhead, D. A., Carleton Place, O.  
 Mulligan, E. A., Aylmer, Q.  
 Murray, D. A., Back Meadows, N.S.  
 Murray, M. W., Beachwood, O.  
 Mutch, P. R., St. Johns, N.B.  
 McCann, E., Smith's Falls, O.  
 McCrimmon, A. A., St. Thomas, O.  
 McCurdy, T., Ormstown, Q.  
 McDonald, M. S., Scotchtown, O.  
 McDonald, H. N., Laggan, O.  
 McDonald, G., Renfrew, O.  
 McDonald, A., Iroquois, O.  
 McDonald, P. A., Alexandria, O.  
 McEown, F., Winnipeg, Man.  
 McEwen, H., Carleton Place, O.  
 McGauran, G. F., Richmond, Q.  
 McGregor, J. G., Martintown, O.  
 McGuire, J. C., Trenton, O.  
 McHarg, R. F., Leeds, Ont.  
 McIntosh, D. H., Carleton Place, O.  
 McKay, D. T., Clifton, P.E.I.  
 McKay, H. H., Pictou, N.S.  
 McKee, G. L., Coaticook, Q.  
 McKeechnie, R. E., Winnipeg, Man.  
 McKenty, J. E., Richmond, Q.  
 McKenzie, P. J., Melbourne, Q.  
 McKenzie, R. T., London, O.  
 McKercher, H., Stittsville, O.  
 McKinnon, T. H., Lockport, N.S.  
 McKinnon, A. J., Kinross, O.  
 McLellan, A. C., Indian River, P.E.I.  
 McLellan, A. A., Summerside, P.E.I.  
 McLennan, D. A., Fournier, O.  
 McLeod, H. S., Dunstaffnage, P.E.I.  
 McManus, H. D., Fredericton, N.B.

McMillan, J. H., Pictou, N.S.  
 McNally, H., Fredericton, N.B.  
 McPhillips, X., Winnipeg, Man.

Noble, C. T., Sutton, O.

O'Connor, C., Worcester, Mass.  
 Oliver, A. J., Cowansville, Q.  
 Outwater, S. W., Plainfield, O.

Palmer, P. E., Riverside, N.B.  
 Park, G. H., Quebec, Q.  
 Paterson, L., Harbor Grace, Nfld.  
 Patton, H. M., Winnipeg, Man.  
 Peake, J. P., Fredericton, N.B.  
 Phelan, E. D., Montreal, Q.  
 Philp, W. S., Montreal, Q.

Reed, T. B., Montreal, Q.  
 Reid, J. T., Montreal, Q.  
 Richards, S., Ottawa, O.  
 Robertson, T. F., Brockville, O.  
 Robertson, W., Chesterfield, O.  
 Robertson, E. A., Lennoxville, Q.  
 Richardson, W. B., Chicago, Ill.  
 Robinson, B. E., Orillia, O.  
 Rodgers, W., Montreal, Q.  
 Ross, J., Halifax, N.S.  
 Ross, H. R., Quebec, Q.

Scovil, W. T., Fredericton, N.B.  
 Shanks, A. L., Huntingdon, Q.  
 Smith, T. H., North Sidney, C.B.  
 Smith, W. D., Plantagenet, O.  
 Smith, C. E., West Winchester, O.  
 Smith, A. G., St. Marys, O.  
 Sparling, A. J., Pembroke, O.  
 Spier, J. R., Lindsay, O.  
 Springle, J. A., Clarenceville, Q.  
 Swaill, Wm., Montreal, Q.

Taplin, M. M., Addison, Q.  
 Taylor, J. N., Ottawa, O.  
 Taylor, T. T., Montreal, Q.  
 Telfer, W. J., Burgoyne, O.  
 Thompson, F. E., Quebec, Q.  
 Thompson, J., Moulinette, O.  
 Tremblay, L., Ottawa, O.  
 Troy, W., Valleyfield, O.  
 Tunstall, A., Montreal, Q.

Vipond, A. G., Montreal, Q.

Walker, W. G., Stratford, O.  
 Walsh, T. N., Ormstown, Q.  
 Walsh, W. E., Ormstown, Q.  
 Wasson, H. J., Peterboro', O.  
 Watson, N. M., Williamstown, O.  
 Webster, R. E., Brockville, O.  
 Wheeler, C. L., Montreal, Q.  
 White, D. D., Montreal, Q.  
 Whyte, J. J., Lancaster, O.  
 Wilson, W. A., Derby, N.B.  
 Williamson, H. M., Guelph, O.  
 Williamson, W. P., Chatham, O.  
 Woodruff, E. H., St. Catherines, O.

Yates, H. B., Brantford, Ont.  
 Yorston, F. S., Truro, N.S.



## XIX.

LIST OF PRIZEMEN AND MEDALLISTS IN THE  
MEDICAL FACULTY.

In 1855 the examinations were divided into Primary and Final, and prizes were established for the best Thesis and for the best Examination in the Primary and Final branches.

In 1865 the Holmes' Gold Medal was established in honour of Dr. Holmes, and is given for the best examination in both Primary and Final branches.

The following is the List with the present addresses of the recipients:—

1854. FOR GENERAL PROFICIENCY.—*1st Prize*—Robert Craik, Montreal.  
*2nd Prize*—Thomas Simpson, Montreal.
1855. THESIS.—James McG. Stevenson, Bryanston, Ont.  
*Final Examination*.—James McG. Stevenson, Bryanston, Ont.  
*Primary Examination*.—Walter J. Henry.\*
1856. THESIS.—Walter James Henry,\* and W. J. Jones, Prescott, O.  
*Final Examination*.—E. Laberge.\*  
*Primary Examination*.—Hon. Levi R. Church, Montreal, Q.
1857. THESIS.—Hon. Levi R. Church, Montreal, and D. T. Robertson, Lennoxville, Q.  
*Final Examination*.—Hon. Levi R. Church, Montreal, Q.  
*Primary Examination*.—James Kerr.\*
1858. THESIS.—Timothy F. English,\* and W. F. Taylor, Peterboro', O.  
*Final Examination*.—Wm. Harkin.\*  
*Primary Examination*.—Wm. Harkin.\*
1859. THESIS.—Edward W. Smith.\*  
*Final Examination*.—James J. O'Dea, Stapleton, Staten Island, New York.  
*Primary Examination*.—Henry Warren.\*
1860. THESIS.—J. W. Pickup.\*  
*Final Examination*.—Henry Warren.\*  
*Primary Examination*.—Joseph M. Drake,\* and Fred. Sutherland.\*



1861. THESIS.—Joseph M. Drake,\* F. J. Austin, Sherbrooke, Q., and D. L. Philip, Brantford, O.  
*Final Examination.*—Joseph M. Drake.\*  
*Primary Examination.*—Thos. C. Walton, Inspector U.S. Navy, Annapolis, Md.
1862. THESIS.—R. M. Bucke, London, O.  
*Final Examination.*—John A. Stewart.\*  
*Primary Examination.*—John J. Marston, U. S. Army.
1863. THESIS.—Wm. C. Gustin.\*  
*Final Examination.*—J. J. Marston, U. S. Army.  
*Primary Examination.*—R. A. Kennedy,\* and Peter A. McDougall, Ottawa, and C. F. Bullen.\*
1864. THESIS.—W. W. Squire.\*  
*Final Examination.*—D. Howard Harrison, Winnipeg.  
*Primary Examination.*—Kenneth Reid, New York.
1865. HOLMES' GOLD MEDAL.—E. P. Hurd, Newburyport, Mass.  
*Final Examination.*—H. L. Vercoe.\*  
*Primary Examination.*—George Ross, Montreal, and W. Gardner, Montreal.
1866. HOLMES' MEDALLIST.—George Ross, M.A., Montreal, Q.  
*Final Examination.*—William Gardner, Montreal, Q.  
*Primary Examination.*—Clinton W. Kelly, Louisville, Ky.
1867. HOLMES' MEDALLIST.—Clinton W. Kelly, Louisville, Ky.  
*Final Examination.*—C. W. Kelly, Louisville, Ky.  
*Primary Examination.*—Wm. Henry Patterson.
1868. HOLMES' MEDALLIST.—T. G. Roddick, Montreal, Q.  
*Final Examination.*—T. G. Roddick, Montreal, Q.  
*Primary Examination.*—Andrew Harkness, Lancaster, O.
1869. HOLMES' MEDALLIST.—T. D. Lucas.\*  
*Final Examination.*—Andrew Harkness, Lancaster, O.  
*Primary Examination.*—Alexander A. Henderson, Ottawa, O.
1870. HOLMES' MEDALLIST.—A. A. Henderson, Ottawa, O.  
*Final Examination.*—O. H. E. Clarke, St. Louis, Mo.  
*Primary Examination.*—J. H. Mathieson, St. Mary's, O.
1871. HOLMES' MEDALLIST.—J. H. Mathieson, St. Mary's, O.  
*Final Examination.*—H. P. Wright, Ottawa, O.  
*Primary Examination.*—Thomas Kelly, Omaha.
1872. HOLMES' MEDALLIST.—Hamilton Allan, Oconto, Wis.  
*Final Examination.*—G. A. Starke, Milwaukee.  
*Primary Examination.*—F. J. Shepherd, Montreal.  
 SPECIAL PRIZE FOR THESIS.—W. Osler, Baltimore, Md.



1873. HOLMES' MEDALLIST.—Thomas Kelly, Omaha.  
*Final Examination.*—D. A. Alguire, Cornwall, Ont.  
*Primary Examination.*—J. D. Cline, B.A.\*
1874. HOLMES' MEDALLIST.—J. D. Cline, B.A.\*  
*Final Examination.*—J. C. Cameron, Montreal.  
*Primary Examination.*—Simon J. Tunstall, B.A., Lytton, B.C.
1875. HOLMES' MEDALLIST.—S. J. Tunstall, B.A., Lytton, B.C.  
*Final Examination.*—J. B. Benson, Chatham, N.B.  
*Primary Examination.*—C. H. Murray, B.A.\* ; R. H. W. Powell, Ottawa, Ont.
1876. HOLMES' MEDALLIST.—Robert H. W. Powell, Ottawa, O.  
*Final Examination.*—Chas. H. Murray, B.A.\*  
*Primary Examination.*—Alex. C. Fraser, Manitowoc, Wis.  
 SPECIAL PRIZE FOR THESIS.—R. L. MacDonnell, B.A., Montreal.
1877. HOLMES' MEDALLIST.—James Bell, Montreal, Q.  
*Final Examination.*—W. D. Oakley, Streetsville, O.  
*Final Examination.*—H. N. Vineberg, New York.
1878. HOLMES' MEDALLIST.—H. N. Vineberg, New York.  
*Final Examination.*—T. W. Mills, M.A., Montreal.  
*Primary Examination.*—W. R. Sutherland, Montreal.  
 SUTHERLAND GOLD MEDAL.—J. M. Lefebvre, Brockville, O.
1879. HOLMES' MEDALLIST.—J. B. Lawford, London, Eng.  
*Final Examination.*—A. W. Imrie, Detroit.  
 • *Primary Examination.*—J. A. McDonald, Montreal.  
 SUTHERLAND GOLD MEDAL.—W. L. Grey, Pembroke, O.
1880. HOLMES' MEDALLIST.—J. A. McDonald, Montreal.  
*Final Examination.*—H. B. Small, Ottawa.  
*Primary Examination.*—James Ross, B.A., Dundas, O.  
 SUTHERLAND GOLD MEDAL.—H. W. Thornton, B.A., New Richmond, Q.
1881. HOLMES' MEDALLIST.—James Ross, B.A., Dundas, O.  
*Final Examination.*—John W. Ross, Cohoes, N.Y.  
*Primary Examination.*—R. J. B. Howard, B.A., London, Eng.  
 SUTHERLAND GOLD MEDAL.—C. E. Cameron, Montreal.
1882. HOLMES' MEDALLIST.—R. J. B. Howard, B.A., London, Eng.  
*Final Examination.*—Henry V. Ogden, B.A., Milwaukee, Wis.  
*Primary Examination.*—George A. Graham, Hamilton, O.  
 SUTHERLAND GOLD MEDAL.—Wyatt G. Johnston, Montreal, Q.  
 MORRICE SCHOLAR.—Wyatt G. Johnston, Montreal, Q.



1883. HOLMES' MEDALLIST.—C. E. Cameron, Montreal.  
*Final Examination.*—L. B. Loring, Sherbrooke, Q.  
*Primary Examination.*—Ed. G. Wood, Mitchell, O.  
 SUTHERLAND GOLD MEDAL.—R. F. Ruttan, B.A., Montreal, Q.  
 MORRICE SCHOLAR.—R. F. Ruttan, B.A., Montreal, Q.
1884. HOLMES' MEDALLIST.—Wm. A. Ferguson, Bathurst, N.B.  
*Final Examination.*—James P. McInerney, Kingston, N.B.  
*Primary Examination.*—Smith Gustin, Bay City, Mich.  
 SUTHERLAND GOLD MEDAL.—John Elder, B.A., Huntingdon, Q.
1885. HOLMES' MEDALLIST.—Edwin G. Wood, Mitchell, O.  
*Final Examination.*—Smith Gustin, Bay City, Mich.  
*Primary Examination.*—Ed. J. Evans, La Crosse, Wisc.  
 SUTHERLAND GOLD MEDAL.—H. A. Lafleur, Baltimore, Md.
1886. HOLMES' MEDALLIST.—Herbert S. Birkett, Montreal, Q.  
*Final Examination.*—Walter W. White, M.A., St. John, N.B.  
*Primary Examination.*—Walter I. Bradley, Sault St. Marie.  
 SUTHERLAND GOLD MEDAL.—Walter I. Bradley, Sault St. Marie.
1887. HOLMES' MEDALLIST.—Ed. Evans, La Crosse, Wisc.  
*Final Examination.*—Henri A. Lafleur, B.A., Baltimore, Md.  
*Primary Examination.*—A. E. Garrow, Ottawa.  
 SUTHERLAND GOLD MEDAL.—John Creasor, Owen Sound, O.
1888. HOLMES' MEDALLIST.—N. D. Gunne, St. Marys, O.  
*Final Examination.*—W. G. Stewart, Montreal, Q.  
*Primary Examination.*—R. E. McKechnie, Winnipeg.  
 SUTHERLAND GOLD MEDAL.—C. W. Bissett, River Bourgeois, N. S.
1889. HOLMES' MEDALLIST.—Alex. E. Garrow, Ottawa, O.  
*Final Examination.*—Hugh McKercher, Point Edward, O.  
*Primary Examination.*—Wm. Alfred Brown, Chesterville, O.  
 SUTHERLAND GOLD MEDAL.—John C. Clemesha, Port Hope, O.

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\* Deceased.



## HOW TO BECOME A REGISTERED PRACTITIONER.

The possession of an M.D. degree does not entitle the holder to practice. He must be *registered*. In the Provinces of the Dominion, with the exception of Ontario, the possession of a Degree in Medicine from a recognized University entitles the holder to register. In *Quebec*, graduates of the Universities of the province must appear in person at the May or September meeting of the Board, and present and swear to their diplomas. Registration is granted only at these periods. It is optional with the Board whether the holder of a degree from a Canadian University outside the Province of Quebec can register without further examination. In some cases the examination has been enforced. In *Ontario*, the examination of the College of Physicians and Surgeons of the province must be passed before registration. The examination is held every spring. In *Manitoba* and *British Columbia*, it is necessary to undergo an examination before registration. In *Nova Scotia* and *New Brunswick*, the provincial boards accept the degrees of Canadian Universities without examination. *Prince Edward Island* has as yet no Medical Board. In most of the *West India Islands* a certificate of registration in one of the Provinces of the Dominion entitles the holder to practice.

In the *United States*, holders of Canadian degrees in medicine can practice without additional examination or study. In many of the States, Medical Boards now exist similar to those in our Provinces, and the degree must be registered before a license to practice can be obtained. The custom varies in different States.

In *Great Britain*, colonial or foreign degrees are not registerable, except in the case of the University of Melbourne, and of holders of colonial degrees prior to 1850. To enable a colonial graduate to register, the examination of one of the numerous Licensing Boards must be passed.

A Graduate in Medicine of an American College, in order to register in any of the Provinces in the Dominion, must, (*a*) unless the holder of an Academical Degree, pass the Matriculation examination of the provincial Board; (*b*) attend some one of the Medical Schools in order to complete the curriculum (four years) required by the Boards. and (*c*) pass the professional examinations.



## DOCTORS IN MEDICINE.

Aborn, W. H.	St. Pauls, Minn	1887	*Bomberry, Geo. E.,	1875
Addison, Jas. L.,	St. George O	1884	Bonesteel, S. A.,	Colombus, Neb 1881
*Adsetts, John,	Stearn's Co., Minn	1866	Boone, S. W., B.A.,	Fredericton, N.B 1887
Alexander, Robert A.,	Grimsby, O	1871	Booth, J. S.,	Montreal, Q 1889
Alguire, Duncan O.,	Coruwall, O	1873	Boulter, Geo. H.,	Stirling, O 1852
Allard, Henry,	Belceil, Q	1866	Bowser, J. C.,	Kingston, N.B 1883
†Allan, Hamilton,	Tacoma, W. T	1872	*Boyer, Louis,	1842
Allan, J. H. B.,	Montreal	1885	Boyd, Jay.,	Vankleek Hill, O 1887
Allen, C. E.	Swanton, Vt	1883	*Boylan, Andrew A.,	1857
Alloway, Thomas Johnson,	Montreal	1869	Boyle, Albert D.,	Carbonear Nfld 1877
*Anderson, John C.,	1865		*Bowman, William E.,	1860
Anderson, Alex., Med. Dept.	Indian Army	1866	Bowen, W., B.A.,	Knoxville, Tenn 1887
Archer, Ths.,	Wandsworth, Eng	1869	Bower, Silas J.,	Waddington, N.Y 1865
Ardagh, Johnson,	Orillia, O	1869	*Bradley, William,	1889
Armitage, J. H.,	Waterloo, O	1886	Bradley, W. I., B.A.,	Carleton Pl., O 1888
Armstrong, Geo. E.,	Montreal	1877	*Braithwaite, Francis H.,	1863
*Arnoldi, Daniel (Hon.),	1847		Brandon, John,	Ancester, O 1867
Arthur, R. H.,	Chapleau, O	1885	Breslin, William I.,	46th Regiment 1847
Atkinson, Robert,	1862		Brigham, Josiah S.,	Phillipsburg, Q 1848
Ault, Charles,	Montreal	1855	Brisette, Henry R.,	Lowell, Mass 1871
*Ault, James F.,	1855		*Bristol, Amos S.,	Napanee, O 1850
Ault, Alexander,	Oshkosh, Wis	1860	Brodeur, Alphonse,	Roxton Falls, Q 1863
Ault, Edwin D.,	Aultsville, O	1868	Brodie, John,	Honolulu, Sdwh Isl 1877
Austin, Fred. John,	Sherbrooke, Q	1862	Brooks, Samuel T.,	St. Johnsbury, Vt 1852
Ayer, N., M.A.,	Sackville, N.B	1880	*Brouse, William H.,	1847
Aylen, John,	Aylmer, Q	1857	Brouse, Jacob E.,	Brockville, O 1861
Aylen, James,	Aylmer, Q	1863	Brossard, J. B. J.,	Laprairie, Q 1875
Aylen, P.,	Battleford, N.W.T	1886	Brown, G. A.,	Montreal, Q 1889
Aylen, W. W.,	Aylmer, Q	1889	Brown, Peter E.,	Montreal, Q 1863
			Brown, Harry,	405 W. Washington St., Chicago 1873
Backhouse, J. B.,	Braidwood, Ill	1870	Brown, J. L.,	Plattsville, O 1879
Baer, D. C.,	Summerfield, Ill	1888	Browne, Thos. L.,	Melbourne, Q 1881
Bain, D. S. E., Staff Surgeon Maj.	1868		Brown, Chs. O.,	Broome, P.Q 1882
Bain, Hugh U.,	Prince Albert, Man	1874	Browne, Arthur A., B. A.,	Montreal 1872
Baird, James G.,	Pakenham, O	1870	Bruneau, Adolphe,	Sorel, Q 1853
Baird, T. A. D.,	Bay City, Mich	1885	*Bruneau, Oliver T. (Hon.),	1843
Baker, Albert,	Dawlish, Devon	1848	*Bruneau, Onésime,	1851
Barclay, George,	Parkhill, O	1870	Bryson, William G.,	Fenelon Falls, O 1867
*Barnston, James (ad. eun.),	1856		*Bucke, Edward H.,	1852
Barrett, Jos. A.,	Cresco, Iowa	1884	Bucke, Richard Maurice,	London, O 1862
Battersby, Charles,	Port Dover O	1861	*Buckle, John M. C.,	1869
Baynes, Geo. Aylmer,	Montreal, Q	1849	Buckley, William P.,	Prescott, O 1870
Baynes, Donald, M.A.,	London, Eng	1876	Bull, George J.,	New York 1869
Beatty, D.,	Richmond, Carl. Co., O	1862	*Bullen, Charles F.,	1864
*Beaudette, Alfred,	1865		Buller, Frank,	Montreal 1879
Beaudry, Louis B.,	St. Césaire, Q	1871	Burgess, J. A.,	Listowell, O 1868
Beckstead, M.,	Lisbon Centre, St. Law. Co., N.Y	1878	Burch, B. F., Walla Walla, Wash. Ter	1866
			*Burland, John H.,	1863
*Bell, John, M.A.,	1866		Burland, William B.,	Montreal 1872
Bell, Robert W.,	Peterboro', O	1873	Burland, William H.,	Wilshton, Fla 1875
†Bell, James,	Montreal	1877	Burland, Samuel C.,	Chester, Penn 1877
Bell, Robert, C.E.,	Ottawa	1878	Burland, Benj. W.,	Mineville, N. Y 1882
Bell, J. H., B.A.,	Montreal, Q	1888	Burrows, Philip P.,	Lindsay, O 1866
Bellevue, Alfred,	Quebec	1862	Burrows, F. N.,	Montreal, Q 1885
*Bergeron, Joseph,	1870		*Burnham, Robert Wilkins,	1869
Bergin, Darby,	Cornwall, O	1847	*Burns, Alfred J.,	1854
Berry, J. A.,	Seeley's Bay, O	1887	Burritt, Horatio C.,	Toronto, O 1863
Berry, R. P.,	Lindsay, O	1888	Burwash, Hy. J., Milw. Ave., Chicago	1879
Bessey, William E.,	Toronto, O	1863	*Butler, George C.,	1865
Bender, Prosper,	Boston, Mass	1865	Butler, Billa F.,	Stirling, O 1879
Benson, Joseph B.,	Chatham, N.B	1875	*Buxton, John N.,	1849
*Bibaud, Jean G.,	1843			
†Birkett, H. S.,	Montreal, Q	1886	Cahalan, James,	Wyandotte, Mich 1880
Blackader, Alex. D., B.A.,	Montreal	1871	Cameron, James C.,	Montreal 1874
Blackader, E. H. P., B.A.,	Montreal	1887	Cameron, Duncan H.,	Portland, Ore 1877
Blacklock, John J.,	Chesterville, O	1851	Cameron, John D.,	Norway, Mich 1883
*Blanchet, J. B.,	1863		Cameron, Paul,	Alexandria, O 1881
Blair, Robt. C.,	Three Rivers, Q	1865	†Cameron, Chas. E.,	Montreal 1883
*Bligh, John W.,	1865		Cameron, D. A.,	Alpena, Mich 1885
Bogart, Irvine D.,	Mene, O	1859	Cameron, K., B.A.,	Montreal 1887
Boggs, G. W.,	Parsboro', N.S	1886	Cameron, J. J.,	Lancaster, 1888



- \*Campbell, G. W., M.M., (ad eun), 1843  
 \*Campbell, Donald Peter, 1860  
 Campbell, G. G., B. Sc., Montreal, Q 1849  
 Campbell, A. W., Montreal, Q 1886  
 Campbell, Francis Wayland, Montreal 1860  
 \*Campbell, Samuel, 1866  
 Campbell, John, Seaforth, O 1869  
 Campbell, J., Monee Pond, Australia 1876  
 Campbell, Lorne, Montreal, Q 1882  
 Cannon, Gilbert, Almonte, O 1877  
 Carmichael, D. A., Mar. Hosp. Serv., 1873  
 Cairo, Ill 1864  
 Carey, Augur, D.L (ad eun), 1879  
 Carman, Philip E., Detroit, Mich 1885  
 Cassidy, David M., Med. Supt. County 1867  
 Asylum, Lancaster, Eng 1885  
 Cassidy, Geo. A., Goldstone, O 1885  
 Cassidy, John F., Goderich, O 1859  
 \*Carroll, Robert W. W., 1883  
 Carruthers, Geo., Montreal, Q 1881  
 Carson, J. H., Lake Park, Minn 1843  
 \*Carson, Augustus, 1853  
 Carter, Samuel A., Meadow Vale, O 1883  
 Carter, L. H., Picton, O 1879  
 Case, W. Hermanus, Hamilton, O 1851  
 Casgrain, Chas. E., Hon. Windsor, O 1888  
 Castleman, A. L., B. Williamsburg, O 1871  
 Cattanaach, Andrew J., Denver, Col 1882  
 Cattanaach, A. M., Dalhousie Mills, O 1861  
 Cattanaach, W. S., Glen Water, O 1861  
 Chagnon, V. G. B., Fall River, Mass 1888  
 Chalmers, W. W., B.A., Magog, Q 1849  
 \*Chalmer, Francis, 1869  
 Cherry, William, Toledo, Ohio 1862  
 \*Chesley, George Ashbold 1860  
 Chevalier, Gustave Bedford, Q 1873  
 Chevalier, Napoléon E., Itherville, Q 1868  
 Chipman, C. J. H., B.A., Ottawa, O 1878  
 \*Chisholm, Alex., Alexandria, O 1878  
 Chisholm, Murdoch, Bay Roberts, Nfld 1879  
 Christie, George H., Lachute, Q 1872  
 Christie, John B., Palaluma, Sonora 1865  
 Co., Cal 1848  
 Christie, Thomas, Lachute, Q 1882  
 \*Christie, John H., B.A., 333 West 22nd st., Chicago, Ill 1887  
 Christie, W., B.A., Lachute, Q 1882  
 Christie, Edmund, Chicago, Ill 1862  
 \*Church, Charles H., Ottawa, O 1868  
 Church, Clarence R., Aylmer, Q 1853  
 Church, Coler M., Aylmer, Q 1880  
 Church, F. W., Aylmer, Q 1857  
 Church, Levi R., Hon. Montreal, Q 1864  
 Church, Mills K., Merriekville, O 1884  
 Church, John J. R., Aylmer, Q 1846  
 \*Church, Peter H., 1881  
 Clarke, Hy. J., Winnipeg, Man 1870  
 Clarke, Octavius H. E., Cohoes, N.Y 1871  
 Clarke, Wallace, B.A., Utica, N.Y 1884  
 Clarke, Henry J., Pembina, Dak 1870  
 Clarke, Richard A., Essex Co., O 1876  
 Clarke, F. G. B., Fordwych Road, Kilburn, London, Eng 1886  
 Waterloo, Q 1867  
 Clarke, J. L., Port Hope, O 1886  
 Clement, Victor A., St. Guillaume, O 1874  
 \*Cline, John D., B.A., 1888  
 Clouston, J. R., Howick, Q 1870  
 Cluness, Daniel, Nanaimo, B.C 1885  
 Codd, Alfred, Winnipeg, Man 1869  
 \*Collins, Charles W., 1878  
 Collison, R., Norfolk, St. Law. Co., N.Y 1876  
 \*Colquhoun, George, 1870  
 Comeau, John B., St. David, Q 1888  
 Conroy, C. P., Martintown, N.Y 1876  
 Cook, Guy R., B.A., Louisville, N.Y 1854  
 Cook, Hermon L., Napanee, O 1884  
 Cook, Sheldon E., Aultsville, O 1884  
 Cooke, Charles H., Toronto, O 1866  
 Cooke, Sydney P., Hull, Q 1869  
 Cooke, W. H., Wolfston, Q 1876  
 Copeland, Wm. L., 719 W. Washing- ton st., Chicago, Ill 1872  
 \*Corbett, A. P. M., 1854  
 Corbett, Wm. H., Brig. Surg. Army Med. Dept 1854  
 St. Thomas, O 1869  
 Corlis, Josiah, Morristown, O 1881  
 \*Corsan, John, 1869  
 Corsan, Douglas, Montreal, Q 1885  
 Cotton, C. L., Cowansville, Q 1887  
 Cousins, W. C., Ottawa, O 1882  
 Cowie, A. M., Vancouver, B. C. 1887  
 \*Cowley, Thomas McJ., 1870  
 Cowley, D. K., Granby, Q 1880  
 Cox, Frank, Charlottetown, P.E.I 1869  
 Coyle, Henry W., Montreal, Q 1876  
 Craig, Thornton, Capay, Cal 1876  
 Craig, M. A., Capay, Cal 1886  
 Craik, Robert, Montreal, Q 1872  
 \*Cram, Daniel C., 1854  
 \*Crawford, James (ad eun), 1889  
 Creasor, J. A., B.A., N. Toronto, O 1865  
 Crichton, Stuart, Sonora, Cal 1865  
 Crocket, W. C., B.A., Fredericton, N.B 1886  
 Crothers, William, Stanbridge, Q 1876  
 \*Culvers, Joseph B., 1848  
 \*Cunninghame, W. C. Thurlow, 1858  
 Cutter, Frederick A., Sutton, Q 1873  
 Daly, Guy D. F., 1868  
 Daly, Walter S., Ogdensburg, N.Y 1885  
 \*Dansereau, Charles, 1842  
 Dansereau, Charles, 1869  
 Darcy, J. H., Granger, Minn 1885  
 Davies, Thomas B., Chelsea, Q 1884  
 Davignon, F. F., Leadville, Col 1871  
 Dawson, R., B.A., Montreal, Q 1882  
 Dazé, Henri, Montreal, Q 1885  
 Dearden, G. A., Victoria, B.C 1882  
 \*Dease, Peter Warren, 1847  
 DeDonald, C. S., Berthier (*en haut*), Q 1862  
 DeBoucherville, Charles B., Quebec, Q 1843  
 \*Decelles, Charles D., 1841  
 Decow, J. McJ., Montreal, Q 1886  
 DeGrosbois, T. B., Roxton Falls, Q 1868  
 Delaney, W. J., Peterboro', O 1889  
 Demorest, B. G. G., Stirling, O 1852  
 Derby, W. J., Rockland, O 1882  
 \*Desaulniers, Antoine A., 1863  
 Desmond, F. J., Newcastle, N.B 1888  
 Dewar, C. P., Ottawa, O 1888  
 Dibblee, G. G., Moor's Mills, N.B 1880  
 \*Dice, George, 1864  
 \*Dick, James R., 1842  
 \*Dickinson, James S., 1846  
 \*Dickinson, George, 1868  
 Dickson, William W., Pembroke, O 1853  
 Dickson, J. A., Hemmingford, Q 1887  
 Digby, F. Winniett, Brantford, O 1863  
 \*Dodd, John, 1864  
 Doherty, W. W., Campbellton, N.B 1885  
 Donnelly, C. H., Waresville, Texas 1860  
 \*Dorion, Sévère, 1843  
 \*Dorland, Enoch G., 1850  
 Dorland, James, Milwaukee, Wis 1875  
 Dougan, Wm., St. Catherines, O 1867  
 Douglas, James, Hon. 1847  
 Dowling, John F., Egansville, O 1875  
 \*Drake, Joseph M., 1861  
 Dubue, Charlemagne, Montreal, Q 1864  
 \*Duckett, Stephen, 1853  
 Duckett, William A., Montreal, Q 1869  
 Duford, Thadée A., St. Sebastien, Q 1865



- Duhamel, Louis, Hull, Q 1860  
Duncan, Geo., Fareham, Hants, Eng 1866  
Duncan, Gedeon M., Bathurst, N.B 1871  
Duncan, George C., London, Eng 1875  
Duncan, James S., Surg.-Maj. Army 1858  
\*Duncan, John, 1871  
Duncan, John A., Moose Jaw, N.W.T 1884  
Duncan, W. T., Fergus Falls, Minn 1882  
Dunlop, H. A., Crookston, Minn 1882  
\*Dunn, William Oscar 1843  
Dunsmore, John M., Stratford, O 1870  
Dupuis, Joseph B., Clarenceville, Q 1856
- Easton, John, Brockville, O 1852  
Easton, C. L., Smith's Falls, O 1887  
Eberle, Harry A., Kansas City, Mo 1876  
Eberts, D. W., Victoria, B. C 1885  
Edgar, C. J., Inverness, Q 1887  
Edwards, Eliphalet G., 1855  
Edwards, J. S., London, O 1880  
Edwards, Oliver C., Qu'Appelle, N.W.T 1873  
Elder, John B. A., Huntingdon, Q 1885  
Elderkin, Edwin J., Avondale, Hants Co., N.S 1884  
Elkinton, A. G., Sur. Maj. Gren. Grds 1862  
Ellison, S. R., 268 W 43rd St N.Y 1873  
Ellis, W. E., St. Catharines, O 1887  
Emery, Gordon J., Minneapolis, Minn 1857  
England, W. S., Montreal, Q 1889  
\*English, T. F., 1858  
\*Erskine, John, 1860  
Esson, F. G., St. John, N.B 1889  
Ethier, Calixte, St. Eugene, Q 1867  
Evans, Griffith, Vet. Dept. Army Woolwich, Eng 1864  
†Evans, E. J., Lacrosse, Wis 1887  
Ewing, William, Hawkesbury, O 1873
- Falkner, Alexander, Lancaster, O 1866  
Falls, Samuel K., Chicago 1878  
Farewell, G. McGill, Princeton, O 1872  
Farewell, W. G., Oshawa, O 1868  
Farley, Jas. T., Fremont Centre, Mich 1877  
Farley, John J., Belleville, O 1873  
Faulkner, George W., Stirling, O 1871  
Faulkner, D. W., Foxboro', O 1878  
Feader, H. C., Chicago, Ill 1881  
Feilde, E. C., Prescott, O 1886  
Fenwick, Geo. E., Montreal, 1847  
Fergusson, Alex. R., Dalhousie Mills, O 1866  
†Ferguson, Wm. A., B.A., Rochester, U.S 1884  
Ferguson, W. D.T., Cumberland, O 1888  
Fillmore, E. W., Spencer's Isl., N.B 1887  
Finley, F. G., Montreal 1885  
\*Finlayson, John, 1834  
Finnie, John T., Montreal 1869  
\*Fisher, John, 1847  
\*Fitzgerald, James, 1865  
Flagg, J. D., 125 Eagle st., Buffalo, N.Y 1887  
Fortune, Louis M., Huntingdon, Q 1873  
Fortin, Pierre, Montreal, Q 1845  
\*Foster, Stephen Sewell, 1869  
Fraleigh, William S., Gananoque, O 1881  
Fraser, H. D., Perth, O 1889  
Fraser, Alex. C., Manitowoc, Wis 1877  
\*Fraser, William, 1836  
Fraser, William H., Liverpool, N.S 1867  
Fraser, Donald M., Stratford, O 1869  
Fraser, Donald, Chicago, Ill 1868  
Fraser, J. R., Lakefield, O 1878  
Fraser, J. M., Lakefield, O 1887  
Freeman, C. M., Cape Sable Isl., N.S 1811  
Fritz, H. D., B.A., St. John, N.B 1888  
Fuller, W., Grand Rapids, Mich 1866  
Fuller, H. LeRoy, B.A., Sweetburg, Q 1870
- Gale, Hugh, Bay City, Mich 1882  
\*Garvey, Joseph, 1852  
Gardner, H. H., San Francisco, Cal 1878  
Gardner, John J., Montreal 1883  
Gardner, Matthew, Sacramento, Cal 1871  
Gardner, William, Montreal 1867  
Gardner, A. W., Montreal, Q 1887  
Gairdner, T. M., York, Neb 1886  
Garrow, A. E., Ottawa, O 1889  
\*Gaseoigne, Geo. E., 1861  
Gaviller, Edwin A., Hamilton, O 1873  
\*Gauvreau, Elzear, 1855  
\*Gauvreau, Lewis H., 1836  
Gemmell, E. W., Almonte, O 1889  
Gendron, Thomas, St. Raymond, Q 1866  
Gernon, George W., Marieville, Q 1872  
\*Gibb, George D., 1846  
Gibson, John B., Cowansville, Q 1855  
Gibson, W. B., Burlington, Vt 1878  
\*Gibson, Edward B., 1864  
Gibson, J. B., Burlington, Vt. 1886  
\*Gilbert, Henry L., Sherbrooke, Q 1875  
Gillis, John A. F., Summerside, P.E.I 1877  
Gillies, John, Teeswater, O 1867  
Gilmour, Angus A., Modesto, Cal 1868  
\*Giroux, Philippe, 1859  
Girdwood, Gilbert P., Montreal 1869  
Gladman, G. J., East Syracuse, N.Y 1886  
Glen, C. W. E., Chambly, Q 1858  
Godfrey, Robert, Montreal 1814  
Godfrey, Abraham C., Freemantle, Southampton, Eng 1865  
\*Goodhue, P. J., 1875  
Godforth, Franklin, Runcorn, Chester, Eng 1863  
Gooding, Chs. E., St. Philip, Barbadoes, W 1884  
Goodwin, W. W., Baie Verte, N.B 1888  
Gordon, C. M., Aylwin, O 1881  
Gordon, Robert, Arlington, Ill 1868  
\*Gordon, W. -W., 1863  
Graham, Charles E., Hull, Q 1865  
Graham, George A., 1884  
\*Graham, Henry, 1863  
Graham, Kenneth, D., Ottawa, O 1875  
Graham, J., Westmeath, O 1886  
Grant, Donald J., Woodbridge, O 1863  
Grant, James A., Sir, Ottawa, O 1854  
Grant, Jas. A., Jr., B.A., Ottawa, O 1882  
Grant, William, Perth, O 1867  
Grant, J. H. Y., Buffalo 1886  
Gray, John S., Winnipeg, Man 1876  
Gray, Thomas, St. Mary's, O 1879  
Gray, James, Minneapolis 1883  
Gray, W. L., Pembroke, O 1881  
Greaves, Henry C., Barbadoes 1877  
Greenwood, E. S., St. Catharines, O 1878  
Greer, T. A., C.S.S. Minia, Halifax, NS 1876  
\*Grenier, L. P. A., 1863  
Groves, George H., Carp, O 1879  
Groves, W., Carp, O 1886  
Guerin, James J. E., Montreal 1878  
Guest, Thomas F., St. Marys, O 1873  
Gunn, James, Durham, Co. Grey, O 1861  
†Gunn, N. D., St. Marys, O 1888  
Gurd, David F., Montreal 1879  
Gustin, Smith, Bay City, Mich 1885  
\*Gustin, Wm. Claud, 1863
- Hagarty, D. M. J., Portage la Prairie, Manitoba 1866  
\*Hall, Archibald (ad eun), 1848  
\*Hall, James B., 1866  
\*Hall, J. W., 1848  
Hall, A. G., Ormstown, Q 1887  
Hall, W., Walkerton, O 1887  
Hallett, E. O., Truro, N.S 1885  
Haldimand, A. W., Pembina, Dak 1888



- Halliday, James T., Peterboro', O 1865  
 \*Hamilton, Andrew W., 1859  
 Hamilton, Charles S., Demorestville, O 1868  
 Hamilton, John R., Stratford, O 1871  
 \*Hamilton, Rufus F., 1861  
 Hamel, Joseph A., Murray Bay, Q 1866  
 \*Hamer, A. L., 1887  
 Hammond, J. H., Montreal 1869  
 Hanna, A. E., Perth, O 1885  
 Hanna, Franklin, Lansdowne, O 1879  
 Haentschell, C. W., Montreal, Q 1888  
 Hanover, William, Seaforth, O 1875  
 Hanvey, C. B. H., 1331 Van Buren  
 St., Chicago, Ill 1883  
 Harkin, F. McD., Vankleek Hill, O 1885  
 Hart, F. W., St. Martinville, La 1835  
 Harvie, J. B., 575 1st St., Troy, N.Y 1881  
 Harvey, William A., Harriston, O 1874  
 \*Harding, F. W., 1868  
 Harkin, Henry, Liverpool, Eng 1867  
 \*Harkin, William, 1858  
 Harkness, Jno., Dickinson's Corners, O 1862  
 Harkness, Andrew, New Lancaster, O 1869  
 Harrison, David H., Manitoba 1864  
 Harrison, H. J., Moulinette, O 1883  
 Hart, George C., Prescott, O 1879  
 Hannington, E. B. C., Victoria, B.C 1875  
 Hawkins, A. C., Halifax, N.S 1885  
 Hayes, James, Simcoe, O 1866  
 Haythorne, T. J., B.A., Charlotte-  
 town, P.E.I 1886  
 Heard, C. DeW., Keelby, Eng 1880  
 Hebert, P. Zotique, Whitehall, N.Y 1873  
 †Henderson, Alex. A., Ottawa, O 1870  
 \*Henderson, E. G., 1874  
 \*Henderson, Peter A. M., 1848  
 Henderson, And., Merriam Park, Minn 1880  
 \*Henry, Walter (Hon.) 1853  
 \*Henry, Walter J., 1856  
 Henry, Wm. G., Detroit, Mich 1883  
 Henwood, Alfred J., Brantford, O 1879  
 \*Hervey, Jonas J., 1866  
 Hethrington, Harry, Hatley, Q 1872  
 Hewitt, J., Quebec, Q 1888  
 Heyd, H. E., Buffalo, N.Y 1881  
 Hickey, Charles E., Morrisburg, O 1866  
 Hickey, Samuel A., B.A., Aultsville, O 1874  
 Higginson, H. A., Winnipeg, Man 1881  
 Hills, Joseph, Woonsocket, R.I 1873  
 Hingston, W. H., Montreal 1851  
 Hoare, C. W., Strathroy, Ont 1888  
 Hockridge, Thos. G., London, Eng 1874  
 \*Holden, Rufus, 1844  
 Holwell, John, Old Harbour, Jamaica 1868  
 \*Holmes, Andrew F., (ad eun), 1843  
 Holmes, A. D., Detroit, Mich 1889  
 Hopkins, F. A., Cookshire, Q 1889  
 Hopkins, Alfred J., Cookshire, Q 1883  
 Hopkins, H. J., Cookshire, Q 1883  
 Houston, D. W., Cohoes, N.Y 1881  
 Howard, James, Lachine, Q 1867  
 \*Howard, Robert, 1872  
 \*Howard, R. Palmer, 1848  
 †Howard, R. J. B., B.A., London, Eng 1882  
 Howden, Robert T., Winnipeg, Man 1857  
 Howey, W. H., North Bay, O 1878  
 Howitt, Wm. H., Toronto, O 1870  
 Howland, Francis L., Huntsville, O 1867  
 Hubbard, O. H., Gilsam, N.H 1888  
 Hubert, P. T., Harbor Breton, Nfld 1889  
 Hughes, P. H., Strathroy, O 1886  
 Hurlbert, E. Augustus, Brooklyn, N.Y 1860  
 Hume, William L., Leeds, Q 1875  
 \*Hunt, J. J., 1881  
 Hunt, Henry, Toronto, O 1876  
 Hunt, J. H., Surg. Maj. Army, Med  
 Dept. 1869  
 Hunt, Lewis G., B.A., Sheffield, Eng 1871  
 †Hurd, Ed. P., Newburyport, Mass 1865  
 Hurdman, Benj. F. W., Ottawa, O 1882  
 Hurdman, H. T., Bryson, Q 1885  
 Hurlburt, George W., Thornbury, Q 1859  
 Hurlburt, Richard W., Mitchell, O 1873  
 Hutchinson, John A., Montreal, Q 1878  
 Hutchison, Jas. A., Montreal 1884  
 Imrie, A. W., Detroit, Mich 1879  
 Inksetter, D. G., Costa Rica 1880  
 Irvine, James C., Liverpool, Eng 1866  
 Irvine, R. T., Watkins, N.Y 1885  
 Irwin, J. L., 205 E Ohio St. Chicago 1879  
 Irwin, W. T., Pembroke, O 1889  
 Ives, Eli, Coaticooke, Q 1863  
 \*Jackson, A. T., 1846  
 Jackson, Wm. Fred., Brockville, O 1873  
 Jackson, Joseph A., Manchester, N.H 1879  
 \*Jamieson, Alex., B.A., 1877  
 Jamieson, Thomas A., 1875  
 Jamieson, Chas. J., Winnipeg, Man 1879  
 Johnson, C. H., Austin, Minn 1884  
 Johnson, H. D., Charlottetown, P.E.I 1885  
 Johnson, James B., London, Eng 1876  
 Johnson, J. C., Surg. Maj. Army 1867  
 Johnson, J. R., Spring Valley, Minn 1883  
 Johnson, J. W., Gananoque, O 1887  
 Johnson, Thomas G., Sarnia, O 1871  
 Johnston, W. G., Montreal 1884  
 Jones, Charles R., Hatley, Q 1874  
 Jones, George N., Burlington, Iowa 1874  
 \*Jones, Thomas W., (ad eun), 1854  
 \*Jones, Jonathan C., 1865  
 Jones, Wm. Justus, Prescott, O 1856  
 Jones, A. J. M., Wabash Av., Chicago 1873  
 Josephs, G. E., Pembroke, O 1881  
 Kearney, W. J., Mariposa, California 1875  
 Keefer, Wm. N., B.A., Ret'd Surg.  
 Maj. Bengal Army, Guelph, O 1869  
 \*Keeler, Thomas, 1859  
 †Kelly, Clinton Wayne, Louisville, Ky 1867  
 Kelly, Patrick N., Rochester, Minn 1884  
 \*Kelly, Wm., 1846  
 †Kelly, Thos., Omaha, Neb 1873  
 Kelly, J. A. A., Omaha, Neb 1887  
 Kempt, William, Lindsay, O 1864  
 \*Kennedy, Richard A., 1864  
 Kennedy, R. A., B.A., Rockland, O 1883  
 Kennedy, J. H., Guelph, O 1888  
 Kenney, F. L., B.A., St. John, N.B 1888  
 Kerr, N., Milwaukee Av., Chicago, Ill 1839  
 \*Kerr, James, 1858  
 Killery, St. John, Surg. Maj. Army 1862  
 Kincaid, R. M., Highgate Centre, Vt 1888  
 King, Wm. M. H., St. Sylvestre, Q 1859  
 King, Reginald, A. D., Compton, Q 1868  
 King, Richard, Peterboro, O 1867  
 Kinloch, J. A., Montreal, Q 1886  
 Kirkpatrick, R. C., B.A., Montreal, Q 1886  
 Kirkpatrick, E. A., Kentville, N.S 1888  
 \*Kittson, John G., 1869  
 Kittson, Edmund G., Windsor 1873  
 Klock, Robert H., Bryson, Q 1882  
 Klock, W. H., Ottawa, O 1885  
 \*Knowles, James A., 1866  
 \*Kollmyer, Alex. H., 1856  
 Laberge, Ed., St. Philomene, Q 1856  
 Lafferty, A. M., Heriot, Dak 1887  
 Lafleur, H. A., B.A., Johns Hopkins  
 Hosp., Baltimore, Md 1887  
 Landor, Thomas H., C. P. R'y, O 1884  
 Lane, John A., 1877  
 Lang, C. L., Kalamazoo, Mich 1876  
 Lang, W. A., New Richland, Minn 1881  
 \*Lang, Thomas D., 1866  
 Lang, W. M., St. Mary's, O. 1888  
 Langlois, O. X., Amherstberg, O 1875  
 \*Langrell, Richard T., 1875



- Laroque, A. B., Montreal 1847  
 Lathern, J. S., Halifax, N.S. 1883  
 Laurin, Edgar J., Deer Lodge, Mon 1881  
 Law, D. W. C., Bond Head, O 1863  
 Law, William K., Coleraine, Irel 1877  
 Lawford, John B., London, Eng 1879  
 Lawrence, Henry J. H., 1862  
 Leavitt, Julius, Melbourne, Q 1866  
 Leclerc, George, Montreal 1851  
 Leclair, Napoléon, Lancaster O 1861  
 Le\*, James C., 1858  
 \*Lee, John Rolph, 1849  
 Lefebvre, John M., Granville, B.C. 1879  
 Legault, D., Salaberry de Valleyfield, Q 1866  
 Lemoine, C., St. Pierre, Isle d'Orleans 1850  
 Lepailleur, Leonard, 1848  
 Leprohon, John L., Montreal 1843  
 Levi, Reuben, New York, U.S. 1870  
 Lindsay, Heriot, St. Johns, Q 1861  
 \*Lister, James, 1862  
 \*Lloyd, H. W., 1879  
 \*Locke, C. F. A., 1872  
 \*Logan, David D., 1842  
 Logan, Robert, Iona, Mich 1880  
 \*Logan, William, 1833  
 Logie, Wm., 1833  
 \*Long, Alexander, 1844  
 Long, C. H., Chicago, Ill 1888  
 Longley, Edmund, 1866  
 Longpre, Pierre F., Quebec 1848  
 Loring, J. Brown, 674 Lake street, Chicago, Ill 1883  
 \*Loupret, André, 1850  
 Loux, William, Ottawa, O 1870  
 Loucks, W. F., Stirling, O 1887  
 \*Loverin, Nelson, 1855  
 Lovett, William, Ayr, O 1876  
 Low, D., Montreal, Q 1889  
 \*Lucas, T. D'Arcy, 1869  
 Lunan, H., B. A., Campbellton, N.B. 1881  
 Lundy, E. L., Surg. Maj. Army 1862  
 Lyford, Chas. C., Minneapolis, Minn 1879  
 Lyon, Arthur, Shawville, Q 1861
- Martin, J. M., Montagne, P.E.I. 1889  
 Mathieson, C. S., Harrington, P.E.I. 1889  
 Maas, Rudolph J., Chicago, Ill 1880  
 \*MacDiarmid, John D., 1847  
 MacDonald, Angus, St. Paul, Minn 1863  
 \*Macdonald, Colin, 1853  
 MacDonald, R. T. E., Sutton, Q 1881  
 MacDonald, Roderick Aeneas, 1874  
 Stoney Mountain, Man 1874  
 MacDonell, Aeneas, Ottawa 1849  
 MacDonnell, R. L., B.A., Montreal 1876  
 MacFarlane, Wm., Almonte, Q 1869  
 Macfie, James, Fort Covington, N.Y. 1869  
 MacIntosh, Robert, Rapid City, N.W.T. 1863  
 Mack, Francis Lewis, Amherstburg, O 1866  
 \*Mackie, J. R., 1865  
 \*Macklem, Samuel S., 1859  
 Maclean, Archibald, Sarnia, O 1867  
 \*Macnabb, Francis A. L., 1870  
 Macneil, Alex., Kensington, P.E.I. 1883  
 McArthur, Robert D., Chicago, Ill 1867  
 McArthur, John A., Port Elgin, O 1879  
 McArthur, J., Winnipeg 1885  
 McBain, John, Martintown, O 1874  
 MacCallum, Duncan C., Montreal 1850  
 McCann, J. J., B.A., Hopkinton, Mass 1878  
 McCarthy, W., Chicago, Ill 1867  
 McCarthy, J. G., Sorel, Q 1888  
 McClure, W., B.A., China 1884  
 McCollum, E. P., Ellsworth, Kan 1886  
 \*McConkey, T. C., 1872  
 McConnell, John B., Montreal 1873  
 \*McCord, John D., 1864
- McCorkill, K. K. C., East Farnham, Q 1882  
 McCormack, N., Renfrew, O 1885  
 McCormick, Andrew G., Richmond, Q 1874  
 McCrimmon, Donald A., Lucknow, O 1869  
 McCrimmon, John, Kincardine, O 1878  
 McCrimmon, Milton, Palermo, O 1878  
 McCuaig, W. J., Penryn, Cal 1886  
 McCullough, George, Sault St. Mary, O 1879  
 \*McCulloch, Michael, (Hon.) 1843  
 McCully, Oscar J. M. A., Baie Verte, N.B. 1879  
 McCurdy, John, Chatham, N.B. 1866  
 McCurdy, T., Ormstown, Q 1889  
 McDermid, Wm. E., Dunvegan, O 1875  
 McDiarmid, Donald, Athol, O 1867  
 McDiarmid, James, Hensall, O 1873  
 McDonald, Alex., Paisley, O 1883  
 McDonald, H. J., Alexandria, O 1885  
 \*McDonald, John A., Montreal 1880  
 McDonald, Jos. D. A., Acton Vale, Q 1873  
 McDonald, K. C., Spencer, Iowa 1880  
 \*McDonald, Roderick, 1834  
 McDonald, A., Vankleek Hill, O 1889  
 McDonald, H. N., Lagan, O 1889  
 McDonald, G., Renfrew, O 1889  
 McDonald, P. A., Alexandria, O 1889  
 McDonald, Alex. R., Boyd, Wis 1882  
 Macdonald, A. D., Carleton, N.B. 1887  
 McDonald, A. L., Alexandria, O 1887  
 McDonald, D. D., N. Lancaster, O 1887  
 McDonnell, A. E. J., B.A., Morrisb'g, O 1888  
 McDonnell, Alex. R., Alexandria, O 1874  
 McDonnell, Angus C., Montreal 1852  
 McDougall, Peter A., Ottawa, O 1884  
 \*McDougall, Peter A., 1847  
 McDougall, D. S., Russell, O 1888  
 McEachran, W., Winnipeg, Man 1880  
 McEwan, Findlay, Carlton Place, O 1870  
 McEwen, H., Carleton Place, O 1889  
 McFarlane, M. A., Arnprior, O 1888  
 McGannon, E. A., Brockville, O 1881  
 McGannon, M. C., Brockville 1885  
 McGannon, T. G., Lowell, Mass 1886  
 McGarry, James, Drummondville, O 1857  
 McGeachy, William, Iona, O 1867  
 \*McGill, William, 1848  
 \*McGillivray, Donald, 1861  
 McGowan, Henry W., Beebe Plain, Q 1867  
 McGrath, Thomas, 1849  
 \*McGregor, Duncan, 1861  
 McGuigan, W. J., London, O 1879  
 \*McGuire, Bernard D., 1876  
 McIlmoyl, Henry A., Clayton, N.Y. 1876  
 McInerney, James P., St. John, N.B. 1884  
 McInnes, Walter J., Victoria, O 1865  
 McIntosh, James, Vankleek Hill, O 1859  
 McIntosh, Donald J., Vankleek Hill, O 1870  
 McIntosh, D. H., Pakenham, O 1889  
 McIntyre, Peter A., Souris, P.E.I. 1867  
 McKelcan, George Lloyd, Hamilton, O 1890  
 McKenzie, J. T., Plainfield, O 1884  
 McKenzie, B. E., B.A., Kingston Road, Toronto, O 1880  
 McKenzie, K. A. J., Portland, Oregon 1881  
 McKay, John, Woodville, O 1869  
 McKay, Walter, Courtland, O 1854  
 McKay, J. M., Wallace, N.S. 1886  
 McKercher, H., Pt. Edward, O 1889  
 McKinley, John K., Bristol, Q 1878  
 McKinnon, H., Ashland, Wis 1887  
 McKinnon, G. W., Sunnyside, P.E.I. 1888  
 McKinnon, T. H., Lockport, N.S. 1889  
 McLaren, Peter, Brudenell, P.E.I. 1869  
 McLaren, Peter, Paisley, O 1861  
 McLaren, Peter, Ormstown, Q 1872  
 McLaren, D. C., B.A., Galt, O 1880  
 \*McLean, Alexander, 1860  
 McLean, J. W., Point Hastings, N.S. 1883



- McLean, Thos. N., Fergus Falls, Minn 1882  
 McLean, J. M., B. A., Pictou, N.S. 1884  
 McLellan, A. A., Indian River, P.E.I. 1889  
 McLellan, Jas. H., Tignish, P.E.I. 1884  
 McLennan, D., Dunvegan, O. 1883  
 \*McLeod, Arch., B. A., 1883  
 McLeod, James, Charlottetown, P.E.I. 1873  
 \*McMartin, D. R., Toronto, O. 1888  
 McMeekin, J. W., Otter Lake, Mich 1885  
 McMicking, George, Goderich, O. 1851  
 McMillan, Aeneas J., Manitou, Col. 1874  
 McMillan, D. L., Alexandria, O. 1885  
 McMillan, Louis J. A., Mansonville, Q. 1860  
 McMillan, John, Pictou, N.S. 1857  
 McMurray, Samuel, 1841  
 \*McNaughton, E. P., 1834  
 McNece, Stewart, Ripley, N.Y. 1879  
 McNeil, Ernest, Vernon River, P.E.I. 1870  
 McNulty, M., Brashers Falls, N.Y. 1880  
 McQuillen, James, Marquette, Mich 1874  
 \*McRae, George, 1876  
 McTaggart, Alexander, London, O. 1860  
 \*McNean, John M., 1865  
 Madill, John, Alliston, O. 1867  
 Maher, J. J. E., New York 1883  
 Major, George W., B. A., Montreal 1871  
 Malcolm, John Rolph, Scotland, O. 1861  
 \*Malhiot, Alfred, 1846  
 Malloch, Edward C., Jersey, Eng 1863  
 \*Malloch, William B., 1867  
 Mallory, Albert E., Warkworth, O. 1872  
 Marceau, Louis T., Napierville, Q. 1872  
 Markell, Richard S., Cloverdale, Cal 1867  
 \*Marr, Israel P., 1849  
 Marr, Walter H., W 33rd St. N. York 1859  
 Marston, Alonzo W., Hull, Q. 1871  
 Marston, John J., Cheyenne, Wy 1863  
 Martel, Ovide, St. Paul, Minn 1883  
 Mason, J. L., M.A., Brailsford, Derby, Eng 1863  
 Mattice, Rich. J., Omaha, U.S. 1875  
 \*Mathieson, John H., St. Mary's, O. 1871  
 \*Mathieson, Neil, 1870  
 Mayrand, William, St. Andrew, Q. 1884  
 Meahan, J. C., Bathurst, N.B. 1878  
 Meane, John, Staff Surg. Naj. Army 1869  
 Meek, Jas. A., 20 W 25th St., N. York 1875  
 \*Meigs, Malcolm R., 1865  
 Menzies, John B., Ft. Gratiot, Mich 1879  
 \*Meredith, Thomas L. B., 1842  
 Merritt, D. P., B. A., Fitzroy Haubor, O. 1884  
 Metcalfe, Henry J., Thursto, Q. 1876  
 Metcalfe, F. T., Buffalo, N.Y. 1888  
 Mewburn, F. H., Galt Mines, N.W.T. 1881  
 Mignault, Henri A., St. Denis, Q. 1860  
 Mignault, L. D., B. A., Montreal 1880  
 Miller, R., Surg. N.W., Mounted Police, Battleford, N.W.T. 1870  
 Mills, Thos. W., M.A., Montreal 1878  
 Miner, Frank L., Abercorn, Q. 1877  
 \*Mines, W., 1874  
 Mitchell, Fred. H., London, O. 1871  
 Moffatt, John E., Staff Surg. Army 1861  
 Moffatt, Walter, Pensacola, Flo. 1852  
 Moffatt, R. D., Toronto, O. 1888  
 Molson, Wm. A., Montreal 1874  
 Mongeais, Napoléon, Rigaud, Q. 1865  
 Monk, George H., Dillonton, Q. 1875  
 Moore, Charles S., London, O. 1874  
 Moore Jehiel T., Tilsburg, O. 1874  
 Moore, Joseph, 1852  
 Moore, Richard, 1853  
 Moore, Robert C., St. Paul, Minn 1869  
 Moore, William, Algonac, Mich 1881  
 Morehouse, O. E., Gibson, N.B. 1889  
 \*Morin, Joseph, (Hon.) 1859  
 Morgan, V. H., Aultsville, O. 1887  
 \*Morrison, David R., 1869  
 Morrison, J., M. A., Ogdensburg, N.Y. 1872  
 Morrow, C., Vernon, O. 1888  
 Mount, John W., Montreal 1851  
 Mowat, M. M., Williamstown, O. 1889  
 Muirhead, D. A., Carleton Place, O. 1889  
 Munro, Alexander, Montreal 1876  
 Munro, James T., Maxwell, Ont 1872  
 Muckey, F. S., St. Paul, Minn 1883  
 \*Murray, Charles H., B. A., 1876  
 Murray, D., Campbellton, N.B. 1886  
 Murray, D. A., Black Meadows, N.S. 1889  
 Musgrove, W. J., Drayton, Dak. 1882  
 Neilson, W. J., Winnipeg, Man 1878  
 Nelles, J. M., Canton, Ill 1875  
 Nelles, John A., London, O. 1850  
 \*Nelson, Horace, 1851  
 \*Nelson, Wolfred (Hon.) 1848  
 Nelson, Wolfred D. E., Quebec 1872  
 Nelson, W. M. F., Montreal 1884  
 Nesbitt, Jas. A., Salt Lake City, Utah 1868  
 Nicol, Wm. R., Watkins, N.Y. 1872  
 \*Nicholls, Chas. R., 1862  
 Norton, Thomas, Shelburne, O. 1874  
 Norman, T. J., King, O. 1887  
 Oakley, Wm. D., Streetsville, O. 1877  
 O'Brien, Thos. B. P., Srg. Maj. Army 1862  
 O'Brien, Robert S., Nanaimo, B.C. 1873  
 O'Brien, David, Renfrew, O. 1873  
 O'Brien, T. J. P., Kansas City, Mo. 1882  
 O'Brien, Timothy, Brudenell, O. 1884  
 O'Callagan, Cornelius H., 1854  
 O'Callaghan, T. A., B. A., Worcester, Mass 1880  
 \*O'Garr, Peter, 1857  
 \*O'Connor, Daniel A., 1867  
 O'Dea, James J., Stapleton, Staten Island, N.Y. 1859  
 Odell, William, 1849  
 O'Keefe, Henry, Minto, Dakota 1882  
 Ogden, H. V., B. A., Milwaukee, Wis 1882  
 O'Leary, James, St. Pascal, Q. 1866  
 O'Leary, Patrick, Mayo, P.Q. 1859  
 Oliver, James W., Clifton, O. 1868  
 O'Reilly, Charles, Toronto, O. 1867  
 Orr, A. E., Cookshire, Q. 1883  
 Orr, J. E., Montreal, Q. 1888  
 Orton, T. H., Hamilton, O. 1886  
 Osborne, A. B., Hamilton, O. 1886  
 Osler, Wm., Johns Hopkins Hospital, [Baltimore] 1872  
 \*Padfield, Charles W., 1868  
 Painchaud, Edward S. L., Varennes, Q. 1848  
 Palmer, Loran L., Toronto, O. 1866  
 Palmer, G. F., London, O. 1885  
 Pallen, Montrose A., New York 1864  
 \*Paquin, Jean M., 1843  
 \*Paradis, Henri, 1846  
 \*Paradis, Pierre E., 1867  
 \*Park, George A., 1877  
 Park, P. C., Milverton, O. 1888  
 Parke, Charles S., 1866  
 Parker, Rufus S., Canton, Mass 1866  
 \*Patterson, James M., 1855  
 Paterson, James, Winnipeg, Man 1864  
 \*Pattee, George, 1858  
 Pattee, Richard P., Plantagenet, O. 1874  
 \*Patton, Edward K., 1867  
 Pearman, H. V., Halifax, N.S. 1888  
 Pegg, Austin J., Ossian, Iowa 1872  
 Pegg, Charles H., Chicago, Ill 1867  
 Perks, W. C., Woodstock, O. 1881  
 Perrault, Victor, St. Eustache, Q. 1852  
 Perrier, John, Cleveland, Ohio 1868  
 Perigo, James, M. A., Montreal 1870  
 Perry, H. R., Montreal, Q. 1873  
 Phelan, C. J. R., Waterloo, Q. 1865



Phelan, James B.,	Chicago, Ill	1874	Robertson, A. M.,	Victoria, B.C	1885
*Phelan, Joseph P.,		1854	Robertson, James E.,	Montague, P.E.I	1865
Philip, David L.,	Brantford, O	1863	Robertson, David,	Milton, O	1864
Philp, W. S.,	Montreal, Q	1889	Robertson, David T.,	Lennoxville, Q	1857
Phippen, S. S. C.,	Owosso, Mich	1883	Robertson, Patrick,	St. Andrews, Q	1867
*Picault, Chas.,		1857	Robertson, F. D., B.A.,	St. Albans, Vt	1886
Pickup, John W.,	Brockville, O	1867	Robertson, A. G.,	Iroquois, O	1888
Pinsonneault, B.,	Chicago, Ill	1880	Robillard, Adolphe,	Ottawa, O	1860
*Pinet, Alexis,		1840	Robinson, Stephen J.,	Brantford, O	1867
Pinet, Alex. R.,	St. Laurent, Q	1864	Robinson, Wesley,	Markham, O	1877
Pomeroy, L. E. Mc.,	B.A., Rochester,		Robitaille, Louis,	New Carlisle, Q	1866
	N.Y	1886	Robitaille, L. T., Hon.	Quebec	1858
Poole, Alf.,		1886	*Roddick, Thomas G.,	Montreal	1-68
Poole, H. E.,	Rossie, N.Y	1880	Rodger, Thomas A.,	Montreal	1869
Porteous, Wm.,	Montreal	1884	Rogers, E. J. A.,	Denver, Col	1881
Porter, J. A., B.A.,	Kemptville, O	1887	Rogers, Amos,	Ottawa, O	1874
Pothier, J. C.,	Woonsocket, R.I	1887	Rooney, R. F., Auburn,	Placer Co., Cal	1870
Potts, J. Mc.,	Montreal	1888	*Ross, George, M. A.,	Montreal	1866
Poussette, A. Courthorpe,	Sarnia, O	1860	*Ross, James, B.A.,	Dundas, O	1881
Powell, F. H.,	Ottawa, O	1885	Ross, G. T.,	Montreal	1880
Powell, Israel Wood,	Victoria, B.C	1860	Ross, L. D.,	Montreal, Q	1884
Powell, Newton W.,	Cobourg, O	1850	Ross, W. K.,	Hamilton Asylum	1883
*Powell, Robert H. W.,	Ottawa, O	1875	Ross, Thomas,	Woodland, Cal	1863
Powers, George W.,	Eaton Cor., Q	1861	*Ross, Henry,		1872
Powers, Lafontaine B.,	Port Hope, O	1867	Ross, William G.,	Ashburt, New Z	1871
Pringle, George,	Cornwall, O	1855	*Ross, Wm. D.,		1875
Pringle, A. F.,	Northfield, Minn	1880	Ross, J. W.,	Cohoes, N.Y	1881
Pringle, W. R.,	Schreiber, O	1886	Ross, L. F., B.A.,	Point Edward, O	1886
Prosser, W. O., Le Mars, Ply Co.,	Iowa	1874	Ross, D. L.,	Decatur, Ala	1887
Proudfoot, John S.,	Susp'on Bridge, O	1868	Rowat, W. M.,	Granby, Q	1886
Proudfoot, Alex.,	Montreal	1869	Rowell, G. B.,	Los Angeles, Cal	1884
Proulx, Philéas,	Montreal	1844	Rugg, Henry C.,	Perth, O	1865
*Prevost, E. Gilbert,		1859	*Rumsey, William,		1859
Pulford, F. W.,	Stonewall, Man	1880	Rutherford, M. C.,	Rochester, N.Y	1879
			Rutherford, Clarendon, M.A.,	Chicago	1882
*Quarry, James J.,		1868	Rutledge, And. J.,	Manitoba	1883
*Quesnel, Jules M.,		1849	Ruttan, Allen,	Napanee, O	1852
Quirk, E. L.,	Aylmer, Q	1888	Ruttan, A. M.,	New York	1880
			Ruttan, R. F.,	Montreal	1884
Rae, J. Hamilton (Hon.),	London, Eng	1853	*Sabourin, Moise,		1849
*Rainville, Pierre,		1863	Sampson, James (Hon.),		1847
Rambault, J., Dep. Insp. Gen. Army		1859	Sanderson, George W.,	Toronto, O	1850
*Rattray, Charles J.,		1871	Savage, Thos. Y.,	Thistletown, O	1854
Rattray, James C.,	Cobden, O	1874	*Savage, Alex. C.,		1866
Raymond, Olivier,	Montreal	1850	*Sawyer, James H.,		1863
Raymond, Alf.,	Marcus, Iowa	1886	*Schmidt, Samuel B.,		1847
Raymond, G.H., B.A.,	Sussex, King's		Schmidt, A. F.,	Montreal, Q	1886
	Co., N.B	1886	Schmidt, A. J.,	Fairbault, Man	1886
Read, Herbert H.,	Halifax, N.S	1861	*Schofield, David T.,		1854
Reavely, E.,	Port Robertson, O	1887	Scott, John, G., Hazeldean, Co. Carl.	O	1879
Redner, Horace P.,	Lonsdale, O	1864	Scott, Stephen A.,		1854
Reddick, Robert,	West Winchester, O	1874	*Scott, William E.,		1844
Reddy, Herbert L., B.A.,	Montreal	1876	Scott, Wm. F.,	Hull, Q	1875
*Reddy, John (ad eun),		1856	Scott, W. McE.,		1883
Reed, Thomas D.,	Montreal	1871	Scott, J. M.,	Philadelphia, Penn	1887
Reed, John A.,	Sault Ste. Marie, O	1871	*Scriven, George Augustus,		1843
Reid, Alex. Peter,	Halifax, N.S	1858	Scully, D. J.,	Roswell, Colorado	1887
*Reid, Kenneth,		1864	Seager, Francis R.,	Brigden, O	1870
Renner, W. Scott,	Buffalo, N.Y	1884	Secord, Levi,	Bright, O	1876
Reynolds, T. W.,	Hamilton, O	1881	Seery, F. J.,	Fredericton, N.B	1886
Reynolds, Robert T.,	Berlin, O	1887	Setree, Edward W.,	Henvelton, N.Y	1878
*Reynolds, Thomas,		1842	Seguin, André,	Rigaud, Q	1848
Richard, Marcel,	Manchester, N.H	1864	Senkler, A. E.,	St. Paul, Minn	1863
Richmond, P. E.,	Mt Pleasant, Minn	1873	Serviss, T. W.,	Oroville, Cal	1881
Ridley, Henry Thomas,	Hamilton, O	1852	Seymour, M. M.,	Winnipeg, Man	1879
*Rielle, Etienne R. E.,		1857	*Sewell, Stephen C. (ad eun),		1843
Riley, Oscar H., Moer's Forks,	Clinton		Sewell, Colin (ad eun),	Quebec	1869
	Co., N.Y	1879	Shanks, A. L.,	Montreal	1889
Rinfret, Ferdinand R.,	Quebec	1868	Shanks, J. C.,	Howick, Q	1881
*Rintoul, David M.,		1854	Sharp, J. C.,	Marysville, N.B	1885
Richardson, J. R., Archer av.,	Chicago	1865	Sharp, Wm.,	South Toledo, Ohio	1872
Richardson, G. C.,	Richmond, O	1887	Shaw, Alexander,	Watertown, Dak	1882
Riordan, B. L.,	Toronto, O	1880	Shaw, W. F.,	Bracebridge, O	1879
Ritchie, A. F., B.A.,	Duluth, Minn	1876	Shaver, Peter Rolph,	Stratford, O	1854
Ritchie, John L.,	Army Med. Dept	1874	Shaver, W. H.,	Wales, O	1883
*Roberts, Edward T.,		1859	*Shaver, R. N.,		1857
Roberts, John E., B.A.,	Montague,		Shibley, J. L., B.A.,	Yuma, Ariz	1858
	Jam., W.I	1867			



- Shepherd, Francis J., Montreal 1873  
 Sher, George, Cheapside, O 1865  
 Shobottom, Henry, Port Huron, Mich 1857  
 Shufelt, W. A., 250 W 11th St. N York 1881  
 Sihler, G. A., Simcoe, O 1883  
 \*Simard, Amable, 1852  
 Simpson, Thomas, Montreal 1854  
 Sinclair, Coll, Aylmer, O 1874  
 Small, H. B., Ottawa 1880  
 \*Smallwood, John R., 1868  
 Smellie, T. S. J., M.A., Prt Arthur's Landing, O 1877  
 Smiley, J. S., Portsmouth, Iowa 1880  
 \*Smith, Daniel D., 1868  
 Smith, Daniel F., Walkertown, O 1878  
 Smith, E. H., 2700 Wentworth Ave., Chicago 1885  
 Smith, E. H., Fullarton, Neb 1881  
 \*Smith, Edward W., 1859  
 Smith, John, Portland, Oregon 1879  
 Smith, Norman A., Freleighsburg, R 1870  
 Smith, William, Lachute, Q 1876  
 Smith, Edward W., A.B., West Meriden, Conn 1882  
 Smith, W. A. de W., New Westminster, B.C 1884  
 Smith, H. E., Marlboro', Mass 1885  
 Smythe, T. W., Colonel 100th Regt, Dover, Eng 1848  
 Snider, Frederick S., Teeterville, O 1876  
 Sparham, Terence, Brockville, O 1841  
 Sparham, E. R., 1852  
 Spear, Andrew M., Danville, Q 1874  
 Spencer, R., Brandon, Man 1879  
 Springle, J. A., Montreal, Q 1888  
 \*Squire, William Wood, M.A., 1864  
 Staflord, Fred. J., Little Bay, Nfld 1878  
 Stanton, George, Simcoe, O 1868  
 Stark, George A., Milwaukee, Wis 1872  
 \*Staunton, Andrew, 1846  
 \*Stephen, William, 1881  
 Stephen, G. C., Montreal, Q 1887  
 Stevens, Alex. D., Dunham, P 1857  
 Stevenson, Charles N., Coaticook, Q 1876  
 Stevenson, Hans, Wakefield, Q 1880  
 Stevenson, J. M., Bryanston, O 1856  
 \*Stevenson, John L., 1855  
 \*Stevenson, John A., 1873  
 \*Stevenson, Robert A., Toronto, O 1871  
 Stewart, Alexander, Palmerston, O 1872  
 Stewart, Andrew, 1884  
 \*Stewart, John Alexander, 1862  
 Stewart, James, Montreal 1869  
 Stewart, J. O., Cazaville, Q 1880  
 Stewart, A. D., Richmond, Q 1888  
 Stewart, W. G., B.A., Montreal, Q 1888  
 Stephenson, James, Iroquois, O 1850  
 Stimpson, Alfred O., Thompson, Pa 1868  
 St. John, Leonard, Chicago, Ill 1872  
 Storrs, A., Mexborough, York, Eng 1876  
 \*Strobridge, James Gordon, 1862  
 Struthers, A. D., Donald 1881  
 Struthers, B. R., Sault St. Marie 1883  
 Stroud, C. S., Montreal 1876  
 \*Sutherland, Fred. Dunbar, 1864  
 \*Sutherland, Walter, Ormstown, Q 1871  
 \*Sutherland, William, 1836  
 \*Sutherland, William, 1870  
 Sutherland, William R., Montreal 1879  
 Switzer, Egerton R., Salina, Ks 1865  
 Tabb, Silas E., M. A., Sherbrooke, Q 1868  
 \*Tait, Henry Thomas, 1860  
 Taylor, Wm. H., Peterboro, O 1859  
 Taylor, Sullivan A., Gilmonton, N.H 1870  
 Tew, H. S., Wakefield, York, Eng 1864  
 Temple, James A., Toronto 1865  
 Thayer, Linus O., Montreal 1859  
 \*Therault, F. D., 1863  
 Therien, Honoré, Bedford, Q 1863  
 Thomas, W. R., Shoal Lake, Man 1886  
 \*Thompson, James, 1842  
 Thompson, Robert, Brantford, O 1852  
 Thompson, Wm. E., Manitou, Man 1882  
 Thompson, J. H., Gananoque, O 1888  
 Thornton, Hastwell W., B.A., New Richmond, Q 1882  
 Tracey, A. W., West Meriden, Conn 1873  
 Trapnell, H. E., Providence, R.I 1887  
 Trenholme, Edward Henry, Montreal 1862  
 \*Trudel, Eugene H., 1844  
 Trueman, J. E., Macan, N.S 1881  
 \*Turgeon, Louis G., 1860  
 Turnbull, R., Moose Jaw, N.W. T 1886  
 Tuzo, Henry A., 1853  
 †Tunstall, Simon J., B.A., Litton, B.C 1875  
 Usher, Henry, Walkerton, O 1861  
 Vannorman, J. M., Detroit, Mich 1840  
 \*Vercoe, Henry L., 1865  
 \*Vicat, John R., 1867  
 †Vineberg, Hiram N., New York 1878  
 Vipond, A. E., Montreal, Q 1889  
 Wagner, A. Dixon, Cornwall, O 1872  
 Wagner, G. C., Tacoma, Wash. Terr 1881  
 \*Wagner, William H., 1844  
 Wakeman, William, Quebec 1865  
 Wales, Benjamin N., Robinson, Q 1874  
 \*Walker, Robert, 1851  
 Walker, Felix D., Launching, P.E.I 1884  
 Wallace, Isaac U., Milton, Q 1874  
 Walsh, Edmond C., Madrid, N.Y 1866  
 Walton, George O., Barbadoes, W.I 1873  
 \*Wanless, John R., 1867  
 Ward, William T., Morristown, Minn 1873  
 Ward, Michael O'B., Montreal 1875  
 Warneford, P. H., Norton, N.B 1887  
 Warren, Frank, Brooklin, O 1882  
 \*Warren, Henry, 1860  
 Waugh, William, London, O 1872  
 Weagant, C. A., Calton, Cal 1879  
 Weagant, A. A., Dickinson's Landing 1888  
 \*Webb, James T. S., 1871  
 Webster, Arthur D., Edinburgh, S 1878  
 Weillbrenner, Remi, Port Neuf, Q 1851  
 \*Weir, Richard, 1852  
 Westley, R. A., Lancaster, O 1888  
 Wetmore, F. H., Hampton, N.B 1888  
 Wheeler, C. L., B.A., Montreal, Q 1889  
 \*Wherry, John, 1862  
 White, F. J., Shediac, N.B 1886  
 White, W. W., M.A., St Johns, N.B 1886  
 Whitecomb, Josiah G., Omaha, Neb 1848  
 \*Whiteford, James W., 1873  
 Whiteford, Richard, Toledo, Ohio 1857  
 Whitwell, W. P. O., Philipsburg, Q 1860  
 \*Whyte, Joseph A., 1870  
 Whyte, J. J., Montreal 1889  
 Wigle, Hiram, Wiarton, O 1875  
 \*Widmer, Christopher (Hon.) 1847  
 \*Wilcox, Marshall B., 1868  
 Wilkins, George (ad eun), Montreal 1886  
 Wilkins, H. P., Toronto, O 1887  
 Williams, J., Boston, Mass 1881  
 Williams, J. F., Gravenhurst, O 1886  
 Williams, E. P., Montreal, Q 1887  
 Williston, H.V., M.A., Newcastle, NB 1879  
 Willson, J. A. K., Richmond, O 1885  
 Wilson, Benjamin S., Belleville, O 1866  
 \*Wilson, Robert M., 1850  
 Wilson, William, Ottawa 1857  
 Wilson, Samuel F., Millstream, Kings Co., N.B 1884  
 Wilson, C. W., Buckingham, Q 1886



*Wilscam, John Wilbrod,	1846	Worthington, Edward (ad eun)	Sher-
Wishart, D. J. G.,	Toronto, O 1885	brooke, Q	1868
Woolverton, A., M. A.,	Hamilton, O 1868	Worthington, A. N.,	Sherbrooke, Q 1886
Woods, David,	Staff Surgeon Army 1860	Wright, John W., B. A.,	Pictou, O 1878
†Wood, Edwin Geo.,	Mitchell, O 1885	Wright, Henry P.,	Ottawa, 1872
Wood, George C.,	1845	Wright, Stephen,	Ottawa, O 1859
Wood, George,	Faribault, Minn 1863	Wright, William, Revd.	Montreal 1848
Wood, Ed. S., 10 E. 3rd st.,	St. Paul, Minn 1883	Wye, John H.,	26 Farrington sq.,
Wood, Hannibal W.,	Knowlton, Q 1865	London 1868	
Woodful Sam. Pratt.,	Surg. Maj. 1864	Wylde, C. F.,	Halifax, N.S 1889
Woodruff, T. A.,	St. Catherine, O 1888	Young, Philip R.,	Clarenceville, Q 1876
Woods, Jno. J. E.,	Aylmer, Q 1875	Young, Robert C.,	Ridgetown, O 1873
Woolway, C. J.,	St. Paul, Minn 1875	Young, A. A.,	Barton, Vt 1887
*Workman, Benjamin,	1853	Young, H. E., B. A.,	Napanee, O 1888
Workman, Joseph,	Toronto 1835	Youker, William,	Belleville, O 1872

\* Deceased.

† Medallist.



# EXAMINATION PAPERS—SESSION 1888-89.

## MATRICULATION EXAMINATIONS.

### LATIN.

*Time allowed, 2 hours;*

*Examiner*, ..... H. ASPINWALL HOWE, M.A., LL.D.

NOTE.—Candidates may choose, in this Paper, between Cicero and Virgil.

1. Translate, *without unnecessary change of construction* :—

#### CICERO.

(A.) III. Lixi ego idem in senatu, cædem te optimatium contulisse in ante diem v. Kalendas Novembris, tum quum multi principes civitatis Roma non tam sui conservandi, quam tuorum consiliorum reprimendorum caussa profugerunt. Num infitiri potes te illo ipso die, meis præsiidiis, mea diligentia circumclusum, commoverse te contra rempublicam non potuisse, quum tu, discessu ceterorum, nostra tamen, qui remansissemus, cæde contentum te esse dicebas? Quid? quum tute Præneste Kalendis ipsis Novembribus occupaturum nocturno impetu esse confideres, sensistine illam coloniam meo jussu præsiidiis, custodiis vigiliisque esse munitam? Nihil agis, nihil moliris, nihil cogitas, quod ego non modo non audiam, sed etiam non videam planeque sentiam.

(B.) XIII. Hisce ominibus, Catilina, cum summa republicæ salute; cum tua peste ac pernicie, cumque eorum exitio, qui se tecum omni scelere parricidioque junxerunt, proficiscere ad impium bellum ac nefarium. Tum tu, Jupiter, qui iisdem, quibus hæc urbs, auspiciis a Romulo es constitutus; quem Statorem hujus urbis atque imperii vere nominamus: hunc et hujus socios a tuis aris ceterisque templis, a tectis Urbis ac mœnibus, a vita fortunisque civium omnium arcebis, et homines bonorum inimicos, hostes patriæ, latrones Italiæ, scelerum fœdere inter se ac nefaria societate conjunctos, æternis suppliciis vivos mortuosque mactabis.

IN CATILINAM, ORAT. I.

N.B.—*In order to pass, Candidates must shew, by their answers to the following questions, that they know the Grammar of the language:—*

2. Parse and give the construction of each word of:—"a tectis Urbis ac mœnibus, a vita fortunisque civium omnium arcebis."



3. Decline together, in both numbers, *illo ipso die*, and also *republicam*. Write out the tenses *potes* and *moliris*.

4. Give the principal parts of the verbs to which belong *contulisse*, *reprimendorum*, *confideres*, *proficiscere*, *conjunctos*.

5. In the following :—

(a) In ante diem V *Kalendas* Novembris. What were respectively the *Kalends*, *Nones* and *Ides*, and why were they so called?

(b) Non tam *sui conservandi* causa. Explain this genitive construction.

(c) Nostra tamen, *qui remansissemus* cœde. What is the antecedent to *qui*?

6. Give the derivation of *perniciēs*, *parricidium*, *tectum*, *mœnia*; and distinguish between *inimicus* and *hostes*; *scelus* and *nefas*.

VIRGIL.

*Time allowed, 2 Hours.*

1. Translate, *without unnecessary change of construction* :—

- (A.) Talia flammato secum dea corde volutans,  
 Nimborum in patriam, loca feta furentibus austris,  
 Æoliam venit. Hic vasto rex Æolus antro  
 Luctantes ventos tempestatesque sonoras  
 Imperio premit, ac vinclis et carcere frenat.  
 Illi indignantes magno cum murmure montis  
 Circum claustra fremunt: celsa sedet Æolus arce  
 Sceptra tenens, mollitque animos, et temperat iras.  
 Ni faciat, in te aria ac terras cœlumque profundum  
 Quippe ferant rapidi secum verrantque per auras.  
 Sed pater omnipotens speluncis abdidit atris,  
 Hoc in etuens: molemque et montes insuper altos  
 Imposuit, regemque dedit, qui fœdere certo  
 Et premere, et laxas sciret dare jussus habenas.  
 Ad quem tum Juno supplex his vocibus usa est:

ÆNEID, Bk. 1., vss. 50-63.

- (B.) Ipsa sed in somnis inhumati venit imago  
 Conjugis; ora modis attollens pallida miris,  
 Crudeles aras trajectory pectora ferro  
 Nudavit, cœcumque domus scelus omne retextit.  
 Tum celerare fugam patriaque excedere suadet,  
 Auxilumque viæ veteres tellure recludit  
 Thesauros, ignotum argenti pondus et auri.  
 His commota fugam Dido sociosque parabat.  
 Conveniunt, quibus aut odium crudele tyranni  
 Aut motus acer erat; naves, quæ forte paratæ,  
 Corripiunt, onerantque auro. Portantur avari  
 Pygmalionis opes pelago: dux femina facti.

ÆNEID, Bk. 1., vss. 353-364.



N.B.—In order to pass, Candidates must show, by their answers to the following questions, that they know the Grammar of the language:—

2. Parse and give the construction of each word of:—"Nimborum in patriom, loca feta furentibus Austris, Æoliam venit."

3. Decline together, in both numbers, *ipsa imago*, and also *scelus omne*. Write out the tenses *rexit* and *reclndit*.

4. Give the principal parts of the verbs to which belong *sedet*, *mollit*, *imposuit*, *trajecta*, *rexit*.

5. In the following:—

(a) *Secum dea corde volutans*. To what class of verbs does *voluto* belong? How are such verbs formed?

(b) *His vocibus usa est*. What case is this and why?

(c) *Auxiliumque viæ veteres . . . Thesauros*. Distinguish between the two accusatives.

6. Give the derivation of *vinchum*, *claustrum*, *inhumatus*, *conjug*; and distinguish between *aer*, *aether*, *aura*; *socius* and *comes*.

#### ENGLISH.

Time allowed, 1½ hour.

Examiner, . . . . . H. ASPINWALL HOWE, M.A., LL.D.

1. Divide the following stanza into separate sentences, and say how they are related to one another:—

Blow, *blow* thou winter wind  
Thou art not so unkind  
As man's *ingratitude*:  
Thy tooth is not so keen  
Because thou art not *seen*.  
Although thy breath *be* rude.

2. Parse the words indicated by *Italics* above.

3. How do you distinguish Prepositions, Conjunctions and Adverbs? Give examples of *But* used (a) as an adverb, (b) as a preposition, (c) as a conjunction.

4. In the sentence, "We *ought* to own that what we *owe* is not our *own*," explain with reference to their origin the words italicized.

5. The words *a* and *the*, formerly called *Articles*, are now classed among *Adjectives*. Give reasons for and against this change.

6. Correct errors, where found, in the following sentences, and give reasons for such corrections:—

(a) I was going to have written him a letter.

(b) You may take either of the three.



(c) Having failed in this attempt, no further trial was made.

7. Define the terms *root*, *stem*, *compound*, *derivative*, *cognate*, as applied to words. Analyse and derive the following words, noticing the force of each component part :—*Hillock*, *particle*, *streamlet*, *strength*, *martyrdom*, *chronicle*, *viscount*. Distinguish between *indices* and *indexes*; *depository* and *depository*; *deprecate* and *depreciate*.

8. Write a short essay on "Memory."

9. Write legibly and punctuate properly the passage for *Dictation* which will be read to you.

### GEOMETRY.

*Time allowed, 1½ hour.*

*Examiner*,..... H. ASPINWALL HOWE, M.A., LL.D.

1. If at a point in a straight line two other straight lines on opposite sides of it make the adjacent angles together equal to two right angles, these two straight lines shall be in one and the same straight line, Prop. 14, Bk. I.

2. If a side of a triangle be produced, the exterior angle is equal to the two interior and opposite angles, and the three interior angles of every triangle are together equal to two right angles. Prop. 32, Bk. I.

3. Describe a parallelogram which shall be equal to a given rectilineal figure, and have an angle equal to a given rectilineal angle. Prop. 45, Bk. I.

4. If a straight line be divided into two equal and also into two unequal parts, the rectangle under the unequal parts together with the square on the line between the points of section shall be equal to the square on half the bisected line. Prop. 5, Bk. II.

5. Shew from the preceding that the rectangle under the sum and difference of two lines is equal to the difference of their squares.

### NATURAL PHILOSOPHY.

*Time allowed, 1½ hour.*

1. Shew that as the angle between two forces increases, the resultant is diminished. Two forces, 5 and 11, act on a point at right angles to one another; find the magnitude of the resultant.

2. Give examples of bodies in *stable*, *unstable*, and *neutral* equilibrium. If a body be in stable equilibrium, how is its centre of gravity affected by a small displacement of the body?

3. A carriage is being drawn by a rope up a smooth incline; if the rope breaks, why will the carriage continue to move up the incline for some distance? What considerations will determine this distance?



4. Describe an experiment shewing that the pressure of water at any depth below the surface is exerted upwards as well as downwards.

5. Explain the phenomenon of *ebullition*. Why is it that all liquids do not boil at the same temperature, and why is the boiling point not always the same for the same liquid?

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## BRITISH HISTORY.

*Time allowed, 1½ hour.*

*Examiner,.....*H. ASPINWALL HOWE, M.A., LL.D.

1. Who were the Normans? What was their original home? In what respects was the Norman Conquest beneficial to England?

2. Name those sovereigns of England in whose reign political freedom made greatest advances. State circumstances.

3. What were the causes that drove the Scotch into rebellion in the reign of Charles I.?

4. Account for the population of the North of Ireland being mainly Protestant, and that of the South and West, Roman Catholic.

5. In what wars has England been engaged since the accession of Queen Victoria, and with what results?

6. Write brief notes about the following persons and places, mentioning historical events connected with each:—Margaret of Anjou, John Knox, The Regent Murray, Titus Oates, Marlborough; Bretigni, Flodden, Glencoe, Vittoria, Cawnpore.

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## GEOGRAPHY.

*Time allowed, 1½ hour.*

1. Describe geographically the voyage, by water throughout, from Liverpool to Chicago.

2. Draw a sketch map of South Africa, outlining the different States. Describe the region briefly. Name those parts which belong to Britain.

3. What countries border on the Baltic Sea, the Black Sea, and the Caspian? What rivers discharge into these respectively?

4. What regions of the Earth are rainless, or nearly so, and which have an excess of rain? Explain the cause of this difference.

5. What and where are Samoa, Oude, Bombay, Darien, Prague, Altai, Canso, Borneo, Baikal, Obi?



## CHEMISTRY.

*Time allowed, 1½ hour.**Examiner*,.....H. ASPINWALL HOWE, M.A., LL.D.

1. What is *superphosphate of lime*, and how is it prepared?
2. Outline the process by which *Sulphuric Acid* is prepared.
3. Explain meanings of endings *ic* and *ous* in the names of acids, and endings *ite* and *ate* in names of salts.
4. What is the composition of "white arsenic" of the shops? How may arsenic be detected in Solution?
5. Describe mode of preparation and properties of either *perchloride* or *nitrate* of iron.

## BOTANY.

*Time allowed, 1½ hour.*

1. Give botanical names for structures represented by *onion*, *potato*, *tomato*, *thistle down*, *flower of calla lily*.
2. Sketch a leaf designated as *round-heart-shaped*, *crenate*, *long-petioled*.
3. What is *placenta* of the *ovary*? Distinguish between *axile* and *parietal placentae*.
4. Characterize *Gymnospermous* plants, citing an example from Canadian trees.
5. Plants are said to purify the air for animals. Explain this statement.

## ARITHMETIC.

*Time allowed, 1½ hour.**Examiner*,.....H. ASPINWALL HOWE, M.A., LL.D.

NOTE.—The *work* must be given by which answers are obtained, in both the Arithmetic and the Algebra.

1. The value of a fraction is not changed when the numerator and denominator are multiplied or divided by the same number. Shew this by reasoning with an example.
2. Add together  $\frac{1}{2}$ ,  $\frac{2}{3}$ ,  $\frac{1}{35}$ , and  $\frac{5}{21}$ . Then find what fraction the sum is of  $1\frac{2}{3}$  of  $\frac{4}{27}$ .
3. What is a decimal fraction, and why so called? How many times can .027 be taken from 3.33, and what fraction of the former of these two is the remainder?



4. If £240 maintain 49 persons in bread for 20 months, when wheat is 48 shillings a quarter, how long will £234 supply 91 persons with bread when wheat is 56 shillings a quarter.

5. How many yards long is the side of a square which contains  $2\frac{1}{2}$  acres of ground.

### ALGEBRA.

*Time allowed, 1½ hour.*

1. If  $x = 1$ ,  $y = -2$ ,  $z = 3$ , what is the numerical value of

$$\frac{1}{2} [x - \frac{1}{3} \{y - \frac{1}{4} (z - x - 2y)\}]$$

2. Subtract  $2a - 3(2b - 3c)$  from  $4a - 3(b - 2a)$  and multiply  $a^2 - ab + b^2$  by  $a^2 + ab + b^2$ .

3. Shew that  $1 - \frac{b^2 - c^2 + a^2}{2ab} = \frac{(a + c - b)(b + c - a)}{2ab}$

4. Solve the simultaneous equation

$$\begin{cases} \frac{x}{a} + \frac{y}{b} = 2 \\ bx - ay = 0 \end{cases}$$

5. The denominator of a certain fraction exceeds the numerator by 2. If the numerator of the fraction be increased by 5, the value of the fraction will be increased by unity. Find the fraction.

### GREEK.

*Time allowed, 1½ hour.*

NOTE.—Candidates may choose, in this Paper, between Xenophon and Homer.

### XENOPHON.

1. Translate, without unnecessary change of construction:—

Ὁ δ' Ὀρόντης νομίσας εἰαίμους εἶναι αὐτῶ τοὺς ἱππέας, γράφει ἐπιστολὴν παρὰ βασιλέα, ὅτι ἤξοι ἔχων ἱππεῖς ὥς ἂν δύνηται πλείστον, ἀλλὰ φράσαι τοῖς αὐτοῦ ἱππεῦσιν ἐκέλευεν ὥς φίλον αὐτὸν ὑποδέχεσθαι. Ἐνῆν δὲ ἐν τῇ ἐπιστολῇ καὶ τῆς πρόσθεν φιλίας ὑπομνήματα καὶ πίστewς. Ταύτην ἐπιστολὴν δίδωσι πιστῶ ἄνδρϊ, ὥς ὤτετο ὁ δὲ λαβὼν Κύρῳ δίδωσιν. Ἀναγνοὺς δὲ αὐτὴν ὁ Κύρος συλλαμβάνει Ὀρόντην, καὶ συγκαλεῖ εἰς τὴν ἑαυτοῦ σκηνὴν Περσῶν τοὺς ἀρίστους τῶν περὶ αὐτὸν ἐπτά· καὶ τοὺς τῶν Ἑλλήνων στρατηγούς ἐκέλευεν ὀπίστας ἀγαγεῖν, τοὺς δὲ θέσθαι τὰ ὅπλα περὶ τὴν αὐτοῦ σκηνήν. Οἱ δὲ ταῦτα ἐποίησαν, ἀγαγόντες ὥς τρισχιλίους ὀπίστας. Κλέαρχον δὲ καὶ εἰσω παρεκάλεσε σύμβουλον, ὃς γε καὶ αὐτῶ καὶ τοῖς ἄλλοις ἐδοκεῖ προτιμηθῆναι μάλιστα τῶν Ἑλλήνων. Ἐπεὶ δ' ἐξῆλθεν, ἐξήγγειλε τοῖς φίλοις τὴν κρίσιν τοῦ Ὀρόντου ὥς ἐγένετο· οὐ γὰρ ἀπόρρητον ἦν. Ἐφ' ἧ δὲ Κύρον ἀρχεῖν τοῦ λόγου ὧδε·

ANABASIS, Bk. I., ch. 6, §§ 3, 4, 5.



2. Parse fully each word of:—Ταύτην τὴν ἐπιστολὴν. δίδωσι πιστῷ ἀνδρὶ ὥς ὤετο'.

3. Decline together, in the three numbers, πιστῷ ἀνδρί; and write out in full the tenses δίδωσι and παρεκάλεσε.

4. Give in the Indicative mood, the 1st person sing. of the Present, the Future, the Perfect, and the 1st or 2nd Aorist of the verbs to which belong δίδωσι, ἀναγνούς, συλλαμβάνει, θέσθαι, ἐξήλθεν.

5. In the following:—

(a) ὅτι ἤξοι ἔχων ἱππεῖς.... In what mood is ἤξοι, and why?

(b) ἱππεῖς ὥς ἂν δύνηται πλείστον. Give the corresponding Latin.

(c) προτιμηθῆναι μάλιστα. Give the Comparative and Superlative of this adverb.

6. What is the derivation of:—ἐπιστολή, ὑπόμνημα, στρατηγός, κρίσις, ἀπόρρητος.

HOMER.

Time allowed, 1½ hour.

1. Translate, without unnecessary change of construction:—

Οὐ γὰρ πάντων ἦεν ὁμῶς ὄρθος οὐδ' ἰα γῆρως,  
'Αλλὰ γλῶσσ' ἐμέμκτο, πολὺκλήτοι δ' ἔσαν ἄνδρες.  
'Ωρσε δὲ τοὺς μὲν 'Αρης, τοὺς δὲ γλανκῶπις 'Αθήνη.  
Δεῖμὸς τ' ἦδε φόβος καὶ ἔρις ἄμοτον μεμανία,  
'Αρεος ἀνδροφόνιοι κασιγνήτη ἐτάρη τε,  
'Η τ' ὀλίγη μὲν πρῶτα κορύσσεται, αὐτὰρ ἔπειτα  
Οὐρανῷ ἐστήριξε κάρη καὶ ἐπὶ χθονὶ βαίνει.  
'Η σφιν καὶ τότε νεικος ὁμοῖον ἐμβαλε μέσσω  
'Ερχομένη καθ' ὁμίλον, ὀφέλλουσα στόνον ἀνδρῶν.  
Οἱ δ' ὅτε δὴ ῥ' ἐς χώρον ἕνα ξυνιόντες ἴκοντο,  
Σὺν ῥ' ἐβαλον ρινοῖς, σὺν δ' ἔγχεα καὶ μὲν' ἀνδρῶν  
Χαλκεοθωρήκων· ἀτὰρ ἀσπίδες ὀμφαλόεσσαι  
'Επληντ' ἀλλήλησι πολλὺς δ' ὀρυσμαγδὸς ὄρωρει.  
'Ενθα δ' ἅμ' οἰμωγὴ τε καὶ εὐχολή πέλεν ἀνδρῶν  
'Οἰζύντων τε καὶ ὀλυνμένων, ῥ' ἐε δ' αἵματι γαῖα.

ILIAD, Bk. IV., vss. 437-451.

2. Parse fully each word of the line:—

Οἱ δ' ὅτε δὴ ῥ' ἐς χώρον ἕνα ξυνιόντες ἴκοντο,

3. Decline together in the three numbers, πολὺκλήτοι ἄνδρες; and write out in full the tenses ἐμβαλε and ἴκοντο.

4. Give, in the Indicative mood, the 1st pers. sing. of the Present, the Future, the Perfect, and the 1st or 2nd Aorist of the verbs to which belong ἐμέμκτο, βαίνει, ἐμβαλε and ἴκοντο.

5. Write the Attic forms of ἔσαν, ἀνδροφόνιοι, ἐμβαλε, ἀλλήλησι, γαῖα.

6. What is the derivation of πολὺκλήτος, γλανκῶπις, ἀνδροφόνιος, ὁμίλος, οἰμωγή.



## FRENCH.

*Time allowed 1½ hour.*

*Examiner*, ..... H. ASPINWALL HOWE, M.A., LL.D.

1. Translate, *without unnecessary change of construction* :—

(A) A peine affermi sur le trône, il tenta une entreprise plus difficile que des conquêtes. Les véritables tyrans de l'État étaient les évêques qui, ayant presque toutes les richesses de la Suède, s'en servaient pour opprimer les sujets, et pour faire la guerre aux rois. Cette puissance était d'autant plus terrible que l'ignorance des peuples l'avait rendu sacrée. Il punit la religion catholique des attentats de ses ministres : en moins de deux ans il rendit la Suède luthérienne, par la supériorité de sa politique plus encore que par autorité. Ayant ainsi conquis ce royaume, comme il le disait, sur les Danois et sur le clergé, il régna heureux et absolu jusqu'à l'âge de soixante-et-dix ans, et mourut plein de gloire, laissant sur le trône sa famille et sa religion.

(B) Les Russes sont robustes, infatigables, peut-être aussi courageux que les Suédois ; mais c'est au temps à aguerrir les troupes, et à la discipline à les rendre invincibles. Les seuls régiments dont on put espérer quelque chose étaient commandés par des officiers allemands ; mais ils étaient en petit nombre ; le reste était des barbares arrachés à leurs forêts, couverts de peaux de bêtes sauvages, les uns armés de flèches, les autres de massues : peu avaient des fusils, aucun n'avait vu un siège régulier ; il n'y avait pas un bon cannonier dans toute l'armée.

2. Parse the words of the first sentence of extract A.

3. *Ayant* presque toutes les richesses. When does the Present Participle of a Verb in French change for gender or number ? Are *ayant* and *étant* subject to such change ? Why or why not ?

4. L'avaient *rendue sacrée*. Why are these Participles feminine ? Give Rule for it.

5. Mais ils étaient en *petit* nombre. Give the comparative and the Superlative of this adjective, and distinguish it from *peu*.

6. Et mourut plein de gloire. Write out the Present Indic. of this verb. Give also the Present Infinitive and the Present and Past Participles.



## PROFESSIONAL EXAMINATIONS.

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### FIRST YEAR.

#### BOTANY.

*Examiner*, ..... D. P. PENHALLOW, B.Sc.

1. Explain the structure of the ovum and spermatozooids, show in what they are produced, and compare their development in Pteridophytes and Angiosperms.
2. Explain the conditions essential to, and the products formed by, constructive metabolism.
3. Explain the difference between Chlorophytes and Saprophytes with reference to the appropriation of food and the metabolic products.
4. A tree is punctured and water is observed to flow from the opening. Show fully the cause of such movements, its relation to growth, and how it may be measured.
5. Show what elements constitute plant food, and how their value in this respect may be proved.
6. Give a statement of the conditions which determine the temperature of plants, and show to what extent the temperature produced in respiration is a factor.

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#### HISTOLOGY.

*Examiner*..... PROF. G. WILKINS, M.D.

1. *Describe* the crystals that may be obtained from blood. How can they be shown under the microscope?
2. Describe the glands opening into the mouth and how the different varieties may be distinguished from one another.
3. Describe minutely the structure of the kidney.
4. Describe the retina.



## PHYSIOLOGY.

*Examiner* ..... T. WESLEY MILLS, M.A., M.D.

1. Compare, physiologically, plants and animals.
2. The circulation of the blood in mammals: (a) nature; (b) causes.
3. (a) Classify the food-stuffs of a meal consisting of beef-steak, potatoes, bread and apple-pie.  
(b) State how and where these are digested.
4. The lungs: (a) structure; (b) functions and the relations of the latter to the former.
5. Compare anatomically and physiologically the spinal cord and the brain.
6. Describe the series of processes involved in "seeing" an object and describe the anatomical structures involved.

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**SECOND YEAR.**

## ANATOMY.

*Examiner* ..... PROF. SHEPHERD, M.D.

- (1) Name in proper order the various structures it is necessary to remove to expose the Hip-joint from in front.
- (2) The Brain having been removed from the skull, describe the dissection necessary to expose the Third Ventricle. What are the boundaries of this ventricle?
- (3) Give a short account of the Intrinsic Muscles of the Larynx, mentioning their actions, attachments, and nervous supply.
- (4) Course and distribution of the Occipital Nerves and Artery.
- (5) Stomach: Situation, relations, vascular and nervous supply.
- (6) Describe the attachments, actions, vascular and nervous supply of the muscles in relation with the capsule of the Shoulder Joint.

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Candidates are required to answer four questions only, including one of the first two.



## PHYSIOLOGY.

*Examiner*..... WESLEY MILLS, M.A., M.D.

1. Write on one page of foolscap paper 20 statements of fundamental importance in animal physiology.

2. Blood capillaries, lymphatics, blood, lymph and chyle. (a) Structure; (b) general chemical composition of the last three; (c) functional relations of all of them.

3. A man on running 200 yards to catch a street car after dinner has the following experiences: (a) Greatly accelerated pulse and respiration; (b) sense of increased warmth, with profuse perspiration; (c) imperfect digestion; (d) inability to work mentally as usual.

Explain the causes and relations of these phenomena.

4. What are the principal waste-products of the animal organism (mammal)? To what in the *ingesta* do they correspond? By what organs are they excreted? Explain the relations of the latter to each other.

5. What are the views usually taught in regard to "absorption" from the alimentary canal? Criticise them.

6. Discuss the relations of the cerebral cortex to the rest of the nervous system; and the general relations of the latter to the various vital processes.

7. Show that all the senses are subject to the same general laws, illustrating especially by vision.

8. Explain, as time permits, how embryology bears on physiology.

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 CHEMISTRY.

*Examiner*..... G. P. GIRDWOOD, M.D.

1. The specific gravity of a sample of wax is 0.96: the weight of a piece is 15.432 grains. Describe the mode of taking the specific gravity thereof. What weight of lead of specific gravity 11.36 would be required?

2. Given any quantity of Zn, K, H, Cl, and O, how would you proceed to obtain Zinc Hydrate? Describe the operation and show by equations the steps necessary.

3. Describe the properties of Phosphorus and calculate the weight of 1 litre of phosphorus vapor at 400°C., normal pressure.

4. Compare fully the modes of preparation and properties of Carbon Dioxide and Sulphurous Anhydride.



5. How are Sulphur and Nitrogen distributed in nature? How may these elements be detected in organic compounds?

6. Give a brief account of the chemistry of the acids of Sulphur and Boron.

7. Arsenic and Antimony have properties and reactions which show that they are intermediate between the metallic and non-metallic elements. Discuss this fully.

8. Two substances each yield the following results to analysis: Carbon, 24.24 per cent.; Chlorine, 71.72 per cent.; Hydrogen, 4.04 per cent.; Vapor density (air = 1) = 3.43. Give the formulæ and state how each may be prepared.

9. Classify (a) the Carbohydrates and (b) the Cyanides. Give the characteristics of each sub-group.

10. Describe two reactions that may be used to detect each of the following: (a) Prussic Acid; (b) Carbolic Acid; (c) Urea; (d) Ethyl Alcohol; (e) Oxalic Acid; (f) Acetic Acid; (g) Chloral Hydrate; (h) Mercuric Chloride; (i) Arsenious Oxide; (j) Lead Nitrate. Give equations wherever possible.

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## CHEMISTRY.

### SUTHERLAND GOLD MEDAL.

*Examiner*, ..... PROF. G. P. GIRDWOOD, M.D.

1. Show the relation existing between the three agencies, light, heat, and electricity.

2. Give examples showing that mechanical division increases chemical activity.

3. The properties of the elements vary with their atomic weights; illustrate this.

4. Discuss the physical properties of the class of elements called metals. How is the atomic weight of a metal determined? How could you separate Ag, Hg, Cd, Fe, Zn, Ca and Mg, if present in the same solution.

5. How many litres of HCl gas at 0° C. and 760 m.m. are required to precipitate all the silver contained in a solution containing 340 grammes of silver nitrate? If 500 C. C. of Cl at normal pressure and temp. are passed through ammonia in excess, and assuming all the Cl to be utilized, how many C. C. of N. will be liberated? How could you determine the formula of ammonia from these facts?

6. Show how the classes of organic compounds Alcohols, Ethers, Halogen Ethers and Mercaptans may be formed, and the relation which



exists between these and the organic compounds called amines, their classification and mode of formation.

7. Write an account of the chemistry of glycerine and its chief derivatives.

8. Prove the formula for urea; by what reactions might it be prepared from ethyl alcohol.

9. Write a short essay on the chemistry of either (a) the urine, (b) digestion, or (c) respiration.

10. Give two methods for the preparation of each of the following: Oxalic acid, acetamide, ethylamine, diethylketone, and butyric acid.

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### THIRD YEAR.

#### PATHOLOGY.

*Examiner* ..... T. WESLEY MILLS, M.A., M.D.

1. Enumerate abnormalities in blood-distribution and describe two of them.

2. Inflammation: (a) Phenomena. (b) Causes and relations. (c) Various modes of termination.

3. What various forms of tissue degeneration are generally recognized? Connect them by common features anatomical and pathological.

4. In the case of four dogs exposed to an infectious disease caused by a micro-organism, the following were the results: (a) One dog that had previously had the disease escaped a second attack; (b) one suffered little apparent diminution of vitality; (c) one escaped wholly; (d) one died. Discuss the above in the light of the pathology of the present.

5. Write as time permits on Tumors.

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#### MEDICAL JURISPRUDENCE.

*Examiner* ..... PROF WILKINS.

1. What do you understand by the term *cadaveric ecchymoses*? Explain their formation and where found; also their importance medico-legally. How would you distinguish them from bruises inflicted during life?

2. Explain the objections to the hydrostatic test of live birth.

3. Give some of the important symptoms of lead poisoning. Explain their absence in drinking *river* water, although conveyed through leaden pipes.

4. Describe General Paresis of the insane.



## PHARMACOLOGY AND THERAPEUTICS.

*Examiner*..... PROF. JAMES STEWART, M.D.

1. Describe fully how the process of digestion may be influenced by alcohol, opium, quinine, strychnine, bicarbonate of potassium and hydrochloric acid—

- (a) In small doses.
- (b) In large doses.

2. Take any drug that has a distinct action when (a) applied locally to the skin or mucous membrane; (b) when absorbed into the blood; and (c) while being eliminated. Describe fully such action as the agent you choose may be possessed of, and write a prescription (metric system) for any use that can be made of—

- (a) Its direct local action.
- (b) Its internal action.
- (c) Its remote local action.

3. In sleeplessness, the following agents have been shown to be of value, viz., Strychnine, Opium, Sulphonal and Electricity. Explain their mode of action and point out in what particular forms of sleeplessness are they indicated.

How should they be administered?

4. Give a sketch of the dietetic treatment of Diabetes Mellitus and Acute Bright's Disease. Explain the reasons for adopting the form of diet you recommend.

5. In what conditions may stimulants of the respiratory centre prove useful? Write prescriptions for the uses you mention.

6. Explain the mode of action of alcohol, cold water and antipyrine in fever.

**M.D. C.M., FINAL EXAMINATION.**

## PRINCIPLES AND PRACTICE OF SURGERY.

*Examiners* ..... { PROF. G. E. FENWICK, M.D.  
PROF. F. BULLER, M.D., M.R.C.S.E.

1. To ligature the right common Carotid Artery, mention the structures to be cut through, the part of the vessel usually selected for the application of the ligature, and the relative position of contiguous structures to be avoided.

2. Trace the anterior Tibial Artery from its origin downwards. In wound of the vessel in the middle third of the leg, what structures would



guide you in your search for it and how would you arrest the hemorrhage?

3. Trace the descent of the bowel in Femoral Hernia. What structures does it acquire as its coverings? Where is the stricture situated in cases of strangulation, and what are the dangers to be avoided?

4. Mention the anatomical division of the Male Urethra. Describe the origin of stricture of this natural passage, and state where it is most commonly found.

5. Describe the dangers of Lateral Lithotomy and how they are to be avoided.

6. Dislocation of the first phalanx of the thumb backwards, what gives rise to the difficulty in its reduction?

7. At what period of their course may Burns prove fatal? Describe the causes of the fatality in each stage.

8. What is the object of carefully observing the temperature in patients after surgical operations?

What might a sudden rise or a marked fall in the temperature of the body indicate?

8. Describe an ordinary case of Sympathetic Ophthalmia, and state what you know concerning the causes, prevention, and treatment of this disease.

10. Chronic Suppurative Otitis Media? State what you know of the dangers, complications, and treatment of this affection.

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## THEORY AND PRACTICE OF MEDICINE.

*Examiner*..... PROF. R. P. HOWARD, M.D.

1. The diagnosis between Acute Articular Rheumatism and the diseases which may be confounded with it.

2. Describe the treatment of a severe case of Typhoid fever, attended with delirium and diarrhœa.

3. Enumerate the affections of the brain, heart, blood-vessels and eye which may result from chronic Bright's disease, and explain their production.

4. The forms of Acute Phthisis and the symptoms and signs indicative of each form?

5. Prescribe the dietetic and hygienic treatment of Gout, Diabetes Mellitus, and Chronic Interstitial Nephritis.

6. Relate the early symptoms suggestive of Tabes Dorsalis, Rickets, and Diabetes Mellitus.



7. Describe the morbid anatomy of Cerebral Syphilis and of Rheumatoid Arthritis.

8. The symptoms and course of acute yellow atrophy of the liver? The peculiarities of the urine in it?

9. The causes, clinical diagnosis and several consequences of Mitral Regurgitation?

10. An infant, while in its usual health, is suddenly seized with fever vomiting, stupor and convulsions, which last two days, and then these symptoms gradually disappear, leaving the child aphasic and hemiplegic. What is the probable nature of the affection, and what evidences of the illness will be likely to exist a year later? What will be the condition of the paralyzed limbs then?

#### GYNÆCOLOGY.

*Examiner*.....PROF. W. GARDNER, M.D.

1. Retroversion and Inversion of the Uterus? Symptoms, physical signs and diagnosis?

2. Reflex and Systemic disturbances attendant on Chronic Metritis?

3. Myoma Uteri? Varieties, symptoms and physical signs?

4. Ovarian Tumors? Symptoms and the more common complications and accidents?

#### OBSTETRICS AND DISEASES OF INFANCY.

*Examiner*.....PROF. J. C. CAMERON, M.D.

1. Describe fully the management of the *third stage* of labor, giving your reasons for the various manœuvres recommended.

2. When is the *premature induction of labor* indicated? What are the relative merits of the methods proposed by Krause, Cohen, Kiwisch, and Barnes?

3. How would you perform *combined pelvic version*, and when would you prefer this to the *high forceps* operation?

4. During gestation a primipara suffers considerably from nausea, loss of appetite, constipation and palpitation. Labor is tedious and several vaginal abrasions occur, together with laceration of the perineum to the second degree. Convalescence proceeds favorably till the evening of the third day, when there is a severe chill with rise of pulse and temperature. Describe fully your treatment of such a case.

5. How would you treat—(a) Umbilical hemorrhage?

(b) Congenital hernia?

(c) Talipes equino-varus in an infant?



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TO STIMULATE DIGESTION AND ASSIMILATION.—Take the remaining half of the Tonic Dose, during meal time, in water.

TO INCREASE RAPIDLY IN WEIGHT.—Take the Tonic Dose, as directed, and adopt the free use of new milk in addition to the regular food.

TO SUSTAIN MENTAL EXERTION.—Mix two teaspoonfuls in a tumblerful of cold water, and drink small quantities occasionally during the hours of intellectual work.

TO GIVE POWER TO THE VOCAL CHORDS.—Take the Tonic Dose fifteen minutes before singing or lecturing.

Where mucous expectoration is difficult, the Tonic Dose repeated every two hours will effect its removal with very little effort.

TO PREVENT RECURRENCE OF NIGHT SWEATS.—Take the Tonic Dose at each meal and at bed-time. The contractile power is imparted to the nerves, which are connected with the sweat-glands.

TO PREVENT SWEATING HANDS AND FEET.—Take the Tonic Dose as directed, avoid undue excitement, and occupy the mind with pleasant, unwearying pursuits.

FOR CONVALESCENCE FROM Typhoid and other low Fevers, and Debility from residence in hot or malarial localities, employ the Tonic Dose.

TO STRENGTHEN AND DEVELOP NURSING INFANTS.—Let the mother take the Tonic Dose as directed, with the food.

TO PROMOTE SLEEP.—Take the Tonic Dose before eating. This applies particularly to sufferers from shortness of breath.

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The Calendar for the Session of 1889-90 contains information respecting conditions of Entrance, Course of Study, Degrees, &c., in the several Faculties and Departments of the University, as follows:

FACULTY OF ARTS—(Opening Sept. 16th, 1889.)  
DONALDA SPECIAL COURSE FOR WOMEN—(Sept. 16th.)  
FACULTY OF APPLIED SCIENCE—Civil Engineering, Mechanical Engineering,  
Mining Engineering, and Practical Chemistry. (Sept. 16th.)  
FACULTY OF MEDICINE—(Oct. 1st.)  
FACULTY OF LAW—(Oct. 1st.)  
McGILL NORMAL SCHOOL—(Sept. 2nd.)

*Copies of the Calendar may be obtained on application to the undersigned.  
The complete Calendar, with University Lists, Examination Papers, etc., will  
shortly appear, and may also be had of the undersigned.*

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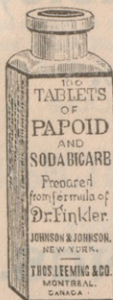
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